INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Van Hosen DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	150 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.435	2 ppm
CHRDMIUM (total)	0.044	10 ppm
LEAD	39.4	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLIDN UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Bill Ettner

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Tony DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	183 F.	140 F. or Greater
% Chlorine	<0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	1.23	2 ppm
CHROMIUM (total)	1.09	10 ppm
LEAD	*129	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS: Lead concentration is dropping but still exceeds specifications.

Independent Sampling and Services: By Bill Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Interstate Pollution DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	158 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.590	2 ppm
CHROMIUM (total)	6.92	10 ppm
LEAD	*126	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS: Lead must be down - blended to achieve compliance.

Independent Sampling and Services: By Bill Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R & S DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	165 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	1.46	2 ppm
CHROMIUM (total)	0.813	10 ppm
LEAD	173*	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS: Lead content must be down-blended to achieve compliance.

Independent Sampling and Services: By Eric Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: CBO Greenfield DATE 3-8-8B

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	180 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.700	2 ppm
CHROMIUM (total)	0.227	10 ppm
LEAD	57.8	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Bob Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: E & L DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	150 F.	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	1.15	2 ppm
CHROMIUM (total)	0.515	10 ppm
LEAD	*165	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS: Lead is still high - and must be down - blended.

Independent Sampling and Services: By Bill Ettner

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

MARCH 4, 1988

E. & L. Tank Cleaners
P.O. Box 41
Peotone Illinois 60468

ATTN: Ron Winkle

RE: Oil Results

SAMPLES SUBMITTED: MARCH 4, 1988

PARAMETER:		Southwest Oil	Ill. Recovery	Texoma
Flashpoint		200 F +	200 F +	200 F +
Arsenic		0.04 ppm	0.19 ppm	0.37 ppm
Cadmium		2.63 ppm	1.57 ppm	2.36 ppm
Chromium Total		0.02 ppm	0.02 ppm	1.39 ppm
Lead		193 ppm*	96.10ppm	137.0 ppm*
% Chlorine	Less than	0.04	0.04	0.04

*Exceeds recommended standard for lead.

The figures represent a continuity, and a much lower concentration of lead than had been previously experienced.

Respectfully,

Dan Petrich
I.S.S.

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

MARCH 4, 1988

E. & L. Tank Cleaners
P.O. Box 41
Peotone Illinois 60468

ATTN: Ron Winkle

RE: Oil Results

SAMPLES SUBMITTED: MARCH 4, 1988

PARAMETER:	Southwest Oil	Ill. Recovery	Texoma
Flashpoint	200 F +	200 F +	200 F +
Arsenic	0.04 ppm	0.19 ppm	0.37 ppm
Cadmium	2.63 ppm	1.57 ppm	2.36 ppm
Chromium Total	0.02 ppm	0.02 ppm	1.39 ppm
Lead	193 ppm*	96.10ppm	137.0 pp
% Chlorine Less than	0.04	0.04	0.04

*Exceeds recommended standard for lead.

The figures represent a continuity, and a much lower concentration of lead than had been previously experienced.

Respectfully,

Dan Petrich
I.S.S.

CHICAGO LINE 312 / 821-4747
PEOTONE LINE 312 / 258-6881
P. O. BOX #41
PEOTONE, IL 60468

CUSTOM BLENDED OILS, INC.

Quality Blended Fuel Oils

April 4, 1988

Mr. Eugene P. Theios, Manager
Administrative Compliance Unit
Compliance Section
Division of Land Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield Illinois 62706

RE: 1970750002-Will County
Pre-Enforcement Conference Letter
March 23, 1988

Mr. Theios,

After receiving your Pre-Enforcement Letter of March 23, I was embarassed for not having responded to the letter of February 8, 1988. The difficulty seems to have been our inability to locate the specific manifests outlined in the letter of February 8, 1988. (1652233 and 1261287). To date we have been unable to locate copies of either of those two manifests.

The additional manifest mentioned in your March 23, 1988 letter, (1261417) we have located, as well as the manifest relative to the Ford Motor Company of Indianapolis Indiana, (1652061).

At the suggestion of Mr. Bill Petrich, Bill Petrich, environmental services..., we will attempt to explain the confusion that was obviously generated by our lack of complete understanding of the regulations.

1. We had applied for a change in the name of our permit to Custom Blended Dils Inc. from E. & L. Tank Cleaners, because we generate fuel oil for heavy industry, and sell this product to industry as Custom Blended Oils Inc. We therefore wanted to operate under one corporate name.
2. As of April 4, 1988, our request for name change has not been ruled upon by the Illinois Environmental Protection Agency, Division of Land Pollution Control, and our phone call to Marla Layman indicated that the agency had until the 24th of April, (90 days) to make a decision on the name change.
3. Because of this, we contacted Mr. Bob Watson of the permit section, and were informed that if we sent down for supplemental permits, under the name Custom Blended Dils Inc. before the name change was approved, the applications would be rejected.
4. In 1987 permits were submitted to the ~~agency~~ for multi-stop service station used oil collect[illegible] permits were made out on pink application forms. Many of the [illegible]

Multi-stop restricted to servi stations.

Modifyied Operated Permit to ("Other Used Oils").

application forms were available. We now have the green forms made out in the name of Custom Blended Oils Inc. and are awaiting the decision by the agency for the requested name change.

5. The use of the 000049 Stream Authorization Number by Ford Motor Company was not our doing. Their stream, (purchased oil) is taken to our facility in Greenfield Indiana, where it is agglomerated with other oils, purchased in Indi This is oil is then brought to Peotone for final blending into useable fuel.

   Our understanding is that the manifest requirement would then apply when we bring used oil (Illinois "special waste"), from Greenfield to Peotone, it would be under a supplemental permit issued to Custom Blended Oils Inc. and not Ford Motor Company?

6. The state of Indiana no longer has restrictions on the hauling of used crankcas oil, and indeed encourages the re-use of this oil in accordance with the federa mandate to "minimize" waste, and re-cycle and recover in every instance possibl On this basis, will the Illinois Environmental Protection Agency continue to insist on manifests for "purchased" oil, not "waste"?

Mr. Petrich indicated that when he spoke with you, that some "thirty to thirty-five" manifests were now improperly executed, and that each represents a violation of the statute. On this basis we have directed our personnel as follows:

1. All manifests made out as of April 4, 1988, will have the name of the permit holding company, E. & L. Tank Cleaners.
2. All manifests will have the Stream Authorization Number, issued by the I.E.P.A. and the Illinois, Indiana, Wisonsin, Kentucky, Minnesota, Ohio, identification number, issued by those agencies, state and/or federal.
3. For each and every stream received by Custom Blended Oils Inc. a Stream Authoriz number must be applied for on a green application sheet supplied by the I.E.P.A. with all of the information requested given.
4. In the case of "multi-stop" service station accumulations, each Licensed Waste Hauler who brings oil to Custom Blended Oils Inc. will have obtained an Illinois Generators Number on behalf of their multiple stops, and will supply to Custom Blended Oils Inc. samples of Oil (special waste), so that appropriate analyses may be performed prior to submission for Stream Authorization Number.
5. Samples of each days "receipts" of oil will be kept, and analyzed in accordance with Illinois Environmental Protection Agency Title 35, Subpart E: Used Oil Burned for Energy Recovery 726.143, 726.140.

We apologize for the confusion that was generated as a result of our not implementin policies and procedures as relates to manifest generation, and administration. Please allow that Custom Blended Oils Inc. (E. & L. Tank Cleaners) will endeavor to conform with each and every aspect of the regulation in the future, and that our willingness to cooperate with the agency is hereby reaffirmed.

Respectfully,

Ernest Winkle

Ernest Winkle
President

for supplementary permit # is changed from a different facility.

MANIFESTS from Ford should say = Generator CBO Greenfield to CBO Peotone, Il. Our Generator # goes in ~~Gen~~ TOP Genera #. (where Ford's Gen. # was).

WI MANIFEST's should read - CBO - WI. (Multi-stop) ~~Gerry Power~~ - WI. to CBO Peotone (NOT Minit Lubes).

Proper ID for Used Oil - Used Oil or Crankcase Oil (Non-Haz.) / ORM other Req. Mat.

WI (Non Haz ORME NON HAZ) - in DOT Part of Manifest. Used Oil) (To satisfy Dep. of Trans.)

Supplementary permit # for Ind & WI until we get Generic F #.

MUST have Authorization # (ALL IL. MANIFESTS).

Cindy Nelson - Hauling & P.U. w/ Trucks

Analysis WITHIN a year (Green Sheets)

1,000 every 3 mos. - cannot be part of a multi-stop.

Generic is on composition of oil!

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 20, 1988

SAMPLE SUBMITTED: April 12, 1988

RESULTS REPORTED: April 20, 1988

Dukes # 101

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 140 F.	140 F. or Greater
% Chlorine	Less than 0.05%	4,000 ppm
ARSENIC	Less than 0.40 ppm	5 ppm
CADMIUM	1.60 ppm	2 ppm
CHROMIUM (total)	2.36 ppm	10 ppm
LEAD	122.0 ppm *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil should be down-blended with virgin fuel, or recovered oils containing less lead concentration.

Independent Sampling and Services: By Bill Fetner

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 20, 1988

SAMPLE SUBMITTED: April 12, 1988

RESULTS REPORTED: April 20, 1988

Greenfield # 102

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 140 F.	140 F. or Greater
% Chlorine	Less than 0.05%	4,000 ppm
ARSENIC	Less than 0.40 ppm	5 ppm
CADMIUM	2.00 ppm	2 ppm
CHROMIUM (total)	3.49 ppm	10 ppm
LEAD	130 ppm*	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Although the lead concentration continues to drop in used crankcase oil, it still exceeds federal E.P.A. guidelines. Suggest down-blending with oils containing -0- lead.

Independent Sampling and Services: By Bill Ettner

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-(

RESULTS OF ANALYSIS: DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

Ford # 111

PARAMETER	RESULT	S
Flash Point	Greater than 200° F	140 F. or Grea
% Chlorine	3816 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 p
CADMIUM	0.895 ppm	2 p
CHROMIUM (total)	1.15 ppm	10 p
LEAD	6.42 ppm	100

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil conforms to the criteria established by the federal E.P.A. for "used oil".

Independent Sampling and Services: By Bill Stu

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638

RESULTS OF ANALYSIS: DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

Ill. Recovery, # 107

PARAMETER	RESULT	SPEC
Flash Point	135 ° F. *	140 F. or Greater
% Chlorine	2632 ppm	4,000 ppm
ARSENIC	Less than 0.4 ppm	5 ppm
CADMIUM	2.52 ppm *	2 ppm
CHROMIUM (total)	3.84 ppm	10 ppm
LEAD	124.0 ppm *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil exceeds federal standards in Flash Point, Cadmium, and Lead, and s

be blended with virgin oil to prepare material for customer use.

Independent Sampling and Services: By Bill Petrie

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

Dukes # 108

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	786 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 ppm
CADMIUM	1.67 ppm	2 ppm
CHROMIUM (total)	2.67 ppm	10 ppm
LEAD	148.0 ppm*	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This stream exceeds lead concentration as determined by federal E.P.A. and shou

therefore beblended with non-lead bearing oil to reach conformity.

Independent Sampling and Services: By Bill Petrick

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

R. & S. # 103

PARAMETER	RESULT	SPEC.
Flash Point	150° F.	140 F. or Greater
% Chlorine	2256 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 ppm
CADMIUM	1.40 ppm	2 ppm
CHROMIUM (total)	1.84 ppm	10 ppm
LEAD	91.1 ppm	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This stream conforms with federal E.P.A. guide lines for "used oil".

Independent Sampling and Services: By Bill Petrus

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

CBO # 104

PARAMETER	RESULT	SPEC.
Flash Point	170 ° F	140 F. or Greater
% Chlorine	407 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 ppm
CADMIUM	1.10 ppm	2 ppm
CHROMIUM (total)	1.22 ppm	10 ppm
LEAD	30.3 ppm	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil stream conforms to the federal guidelines for used oil, and can be blended with other conforming streams.

Independent Sampling and Services: By Bill Stuart

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

House Stock, # 109

PARAMETER	RESULT	SPEC.
Flash Point	N.E.	140 F. or Greater
% Chlorine	848 ppm	4,000 ppm
ARSENIC	Less than 0.4 ppm	5 ppm
CADMIUM	1.95 ppm	2 ppm
CHROMIUM (total)	3.11 ppm	10 ppm
LEAD	134.0 *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

The lead concentration in the house stock exceeds federal guidelines, and this material should be blended with virgin oil to make up customers product

Independent Sampling and Services: By Bill Peter

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE May 17, 1988

SAMPLE SUBMITTED: May 6, 1988

RESULTS REPORTED: May 17, 1988

CBO sample #2 ISS 204

PARAMETER	RESULT	SPEC.
Flash Point	180° F	140 F. or Greater
% Chlorine	1,567 ppm	4,000 ppm
ARSENIC		5 ppm
CADMIUM		2 ppm
CHROMIUM (total)		10 ppm
LEAD		100 ppm
ASH	0.87	0.76-0.81

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil sample refelcts "typical" analysis for blended fuel produced from "used oil" containing "crankcase" oil, along with other recovered oils.

The sample was analysed in accordance with accepted A.P.I., A.S.T.M., and E.P.A protocols.

Independent Sampling and Services: By Bill Fetner

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE May 17, 1988

SAMPLE SUBMITTED: May 6, 1988

RESULTS REPORTED: May 17, 1988

/CBO Sample #1, ISS # 203

PARAMETER	RESULT	SPEC.
Flash Point	155 ° F	140 F. or Greater
% Chlorine	1,235 ppm	4,000 ppm
ARSENIC		5 ppm
CADMIUM		2 ppm
CHROMIUM (total)		10 ppm
LEAD		100 ppm
ASH	0.67 %	SAE: 0.76 to 0.81

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

This sample reflects the accepted properties of "used oil" from a crankcase source, and is not to be construed as "different" than other crankcase blended fuels produced from "used oil" sources.

COMMENTS:

Independent Sampling and Services: By Bill Ethan

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
NCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

May 27, 1988

ATTN: David F. Wheeland

Sample identification by Custom Blended Oils, Inc.

Kind of sample reported to us	-----	New Blend 25-35
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	5/20/88	

Analysis report no. 71-56638

Ash Content ..... 0.89 % By Weight

Flash Point, Pensky-Martens ..... 182°F

Gravity At:
- Specific at 60/60°F 0.9297
- Lb per gal. at 60°F 7.742
- °API 20.7

Heating Value:
- Btu/lb. 18,024
- Btu/gal. at 60°F 139,542

Sulfur Content ..... 0.72 % By Weight

Viscosity At: SUSAT 100° ??
- 122°F Syabolt Furol ..... 29.6 Seconds
- 122°F Kinematic ..... 62.7 Centistokes

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W Cox

Manager, South Holland Laboratory

Charter Member

64 DWC/ds

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE June 21, 1988

SAMPLE SUBMITTED: May 25, 1988

RESULTS REPORTED: June 21, 1988

Southwest Waste Oil

PARAMETER	RESULT	SPEC.
Flash Point	165 F.	140 F. or Greater
% Chlorine	0.15	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	0.79	2 ppm
CHROMIUM (total)	2.93	10 ppm
LEAD	98.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil meets the required specifications for "used oil".

Independent Sampling and Services: By Bill Stum

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE June 21, 1988

SAMPLE SUBMITTED: May 25, 1988

RESULTS REPORTED: June 21, 1988

Daves Waste Oil

PARAMETER	RESULT	SPEC.
Flash Point	120 F. *	140 F. or Greater
% Chlorine	0.15	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	1.38	2 ppm
CHROMIUM (total)	0.68	10 ppm
LEAD	135.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

The flash point is below acceptable limits, and this oil would not qualify as used oil under current definitions of used oil. Suggest monitoring this stream and instructing the supplier that his product does not meet federal or state requirements for "used oil".

Independent Sampling and Services: By

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE June 21, 1988

SAMPLE SUBMITTED: may 25, 1988

RESULTS REPORTED: June 21, 1988

Berreth Oil.

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.20	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	0.210	2 ppm
CHROMIUM (total)	10.13 *	10 ppm
LEAD	44.7	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil shows an elevated level of chromium, and should be re-checked to ascertain if this material is intrinsic to crankcase oil.

Suggest down-blending with virgin oil.

Independent Sampling and Services: By Bill Peters

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-63B3

RESULTS OF ANALYSIS: DATE June 21, 1988

SAMPLE SUBMITTED: May 25, 1988

RESULTS REPORTED: June 21, 1988

Texoma

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.36	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	0.07	2 ppm
CHROMIUM (total)	0.004	10 ppm
LEAD	2.23	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil meets the specfications of "used oil" and this material may be used in blending for industrial purposes.

Independent Sampling and Services: By

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE August 4, 1988

SAMPLE SUBMITTED: August 20, 1988

RESULTS REPORTED: August 1, 1988

Special Sulfur determination for Frank Brothers

PARAMETER	RESULT	SPEC.
Flash Point		140 F. or Greater
% Chlorine		4,000 ppm
ARSENIC		5 ppm
CADMIUM		2 ppm
CHROMIUM (total)		10 ppm
LEAD		100 ppm
Sulfur	Less than 0.2 %	

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

All three samples of retained loads shipped to Frank Brothers as fuel tested at lessthan 0.2 % Sulfur content. This is well below their 0.44 % requirement.

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE September 27, 1988

SAMPLE SUBMITTED: September 15, 1988

RESULTS REPORTED: September 27, 1988

TANK #9

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.17	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	1.59	2 ppm
CHROMIUM (total)	0.004	10 ppm
LEAD	95.1	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil is within the presecribed parameters for" used oil" as outlined in Subpart E. part 266 40 CFR.

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE November 23, 1988

SAMPLE SUBMITTED: October 28, 1988

RESULTS REPORTED: November 23, 1988

House Stock, Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point	142 F.	140 F. or Greater
% Chlorine	0.02 %	4,000 ppm
ARSENIC	0.1 ppm	5 ppm
CADMIUM	1.31 ppm	2 ppm
CHROMIUM (total)	0.004 ppm	10 ppm
LEAD	122.0 ppm *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Lead concentration is just slightly high, but reflects the trend downward of crankcase oil. Suggest blending with other stocks to achieve "used oil" compliance.

Independent Sampling and Services: By Bill Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE November 23, 1988

SAMPLE SUBMITTED: October 28, 1988

RESULTS REPORTED: November 23, 1988

Southwest Waste Oil, Submitted by Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point	174 F.	140 F. or Greater
% Chlorine	0.18%	4,000 ppm
ARSENIC	0.30 ppm	5 ppm
CADMIUM	2.21 ppm *	2 ppm
CHROMIUM (total)	0.004 ppm	10 ppm
LEAD	90.8 ppm	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Slight overage on the Cadmium concentration, otherwise this oil is well ithin the specifications for "used oil".

Independent Sampling and Services: By Bill Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE November 23, 1988

SAMPLE SUBMITTED: Oct. 28, 1988

RESULTS REPORTED: Nov. 23, 1988

R. & S. Waste Oil, Submitted by Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point	132 F. *	140 F. or Greater
% Chlorine	0.21 %	4,000 ppm
ARSENIC	0.2 ppm	5 ppm
CADMIUM	1.48 ppm	2 ppm
CHROMIUM (total)	0.004 ppm	10 ppm
LEAD	103.0 ppm *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS DTHER WISE INDICATED.

COMMENTS:

The Flash Point of this sample is somewhat low, however even trace quantities of aliphatic, and/or aromatic hydrocarbons could create this situation. Lead is also just over the limit proscribed by the E.P.A. specifications.

Independent Sampling and Services: By Bill Ettner

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE November 23, 1988

SAMPLE SUBMITTED: October 28, 1988

RESULTS REPORTED: November 23, 1988

Jerry Remer, Waste Oil, Submitted by Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.04 %	4,000 ppm
ARSENIC	0.1 ppm	5 ppm
CADMIUM	2.16 ppm *	2 ppm
CHROMIUM (total)	0.004 ppm	10 ppm
LEAD	80.9 ppm	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil shows just a slight increase in the Cadmium concentration. The other parameters reflect a "used oil" characteristic.

Independent Sampling and Services: By Bill Petrie

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 331-2900
TELEX: 285950 COMTECO SH UR
FAX: (312) 333-3060

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: Ron Winkle

December 21, 1988

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us Oil

Sample I.D.: New Blend 200-400

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 12/16/88

Analysis report no. 71-67802

Gravity At:	
Specific at 60/60°F	0.9659
Lb per gal. at 60°F	8.044
°API	15.0
Heating Value:	
Btu/lb.	18,191
Btu/gal. at 60°F	146,328
Sulfur Content	1.98 % By Weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Original Copy Watermarked
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COMMERCIAL TESTING & ENGINEERING CO.
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SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPON
16130 VAN DRUNEN RD., P.
SOUTH HOLLAN
TELEPHONE: (31
TELEX: 285950 COMT
FAX: (31

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: Larry Winkle

December 23, 1988

Sample identification
by Custom Blended Oils, In

Kind of sample reported to us Oil

Sample I.D.: New Blend 100-500

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 12/22/88

Analysis report no. 71-68053

Gravity At:
- Specific at 60/60°F 0.9646
- Lb per gal. at 60°F 8.033
- °API 15.2

Heating value:
- Btu/lb. 18,308
- Btu/gal. at 60°F 147,068

Sulfur content ..... 1.74 % By Weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

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F-464 DES/ds

INDEPENDENT SAMPLING AND SERVICES, IN

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Tank 10 DATE 1/4/1989

SAMPLE SUBMITTED: 12/6/1988

RESULTS REPORTED: 12/30/1988

SOURCE:

PARAMETER	RESULT	SPECIFICATIO
Flash Point	196° F	140 F. or Gre
% Chlorine	1.90	4,000 ppm
ARSENIC	Less than 0.03	5.0 ppm
CADMIUM	1.55	2.0 ppm
CHROMIUM (total)	Less than 0.004	10.0 ppm
LEAD	86.4	100.0 ppm

*Exceeds current standards for "Used Oil"

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED.

COMMENTS:

Independent Sampling and Services Inc. By

INDEPENDENT SAMPLING AND SERVICES, INC.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R&S Waste oil DATE 1/4/1989

SAMPLE SUBMITTED: 12/6/1988

RESULTS REPORTED: 12/30/1988

SOURCE:

PARAMETER	RESULT	SPECIFICATION
Flash Point	154° F	140 F. or Greater
% Chlorine	0.70	4,000 ppm
ARSENIC	0.10	5.0 ppm
CADMIUM	2.13 *	2.0 ppm
CHROMIUM (total)	Less than 0.004	10.0 ppm
LEAD	83.4	100.0 ppm

*Exceeds current standards for "Used Oil"

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED.

COMMENTS:

Independent Sampling and Services Inc. By

INDEPENDENT SAMPLING AND SERVICES, INC.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Illinois Recovery DATE 1/4/1989

SAMPLE SUBMITTED: 12/6/1988

RESULTS REPORTED: 12/30/1988

SOURCE:

PARAMETER	RESULT	SPECIFICATION
Flash Point	194° F	140 F. or Greater
% Chlorine	0.19	4,000 ppm
ARSENIC	0.06	5.0 ppm
* CADMIUM	1.81	2.0 ppm
CHROMIUM (total)	Less than 0.004	10.0 ppm
LEAD	93.7	100.0 ppm

*Exceeds current standards for "Used Oil"

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED.

COMMENTS:

Independent Sampling and Services Inc. By

January 5, 1987

Custom Blended Oils Inc.
P.O. Box 41
Peotone Illinois 60468

ATTN: Mr. David Wheeland

Knox College
Northup Oil

RE: Analysis of Blended Stock, #5 Oil.

Dear Mr. Wheeland,

We are pleased to submit the following analytical information relative to the sample we picked-up of the subject oil.

The analytical work was delayed due to the rush of work prior to the holidays, and we apologize for any inconvenience that this may have caused you.

The parameters and results are listed as follows:

January 1987 Through December 1987

PARAMETER		RESULT
B.T.U. per lb.		18,973
% Sulfur		0.59%
% Chlorine		0.20%
Flash Point, Pensky Martens,		200 F. +
Bottom Sediment and Water		Less than 1%
Metals:		
Arsenic	.04 ppm	
Chromium Total	3.55 ppm	
Cadmium	1.78 ppm	
Lead	298.00 ppm	
Ash		0.78 %
Viscosity SUS @ 100 F.		297 sec

The results from samples 61 through 63 reflecting the properties of the received oils will be forthcoming.

Thank you for your patience in this matter.

Bill Petrich

COMMERCIAL TESTING & ENGINEERING CO.
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PLEASE ADDRESS ALL CORRESPONDENCE
16130 VAN DRUNEN RD., P.O. BOX
SOUTH HOLLAND, IL 60-
TELEPHONE: (312) 264-1
TELEX: 285950 COMTECO SH

CUSTOM BLENDED OILS, INC.
P.O. Box #41
Peotone, IL 60468

ATTN: David F. Wheeland

January 12, 1987

Sample identification by Custom Blended Oils, Inc.

Kind of sample reported to us	#5 Oil	#5 Oil 1/5/87
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	1/6/87	

Analysis report no. 71-32255 Arsenic To Follow

Ash Content	0.43 % by weight
Flash Point, Pensky-Martens	184°F
Gravity:	
Specific at 60/60°F	0.9279
Lbs./gallon at 60°F	7.727
°API	21.0
Heating value:	
Btu/lb.	18,300
Btu/gal. at 60°F	141,404
Sulfur Content, Bomb Method	0.65 % by weight
Viscosity at:	
100°F Saybolt Universal	476 seconds
100°F Kinematic	102.7 centistokes
Lead, Pb	154 ppm, as rec'd
Cadmium, Cd	1.24 ppm, as rec'd
Chromium, Cr	0.58 ppm, as rec'd
Halogens	451 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cy

Manager, South Holland Laboratory

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Charter Me

COMMERCIAL TESTING & ENGINEERING CO.
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PLEASE ADDRESS ALL CORRESPONDEN
16130 VAN DRUNEN RD., P.O. E
SOUTH HOLLAND, I
TELEPHONE: (312) 2
TELEX: 285950 COMTECO

CUSTOM BLENDED OILS, INC.
P.O. Box #41
Peotone, IL 60468

ATTN: David F. Wheeland

January 12, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us	#5 Oil	#5 Oil 1/5/87
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	1/6/87	

Analysis report no. 71-32255 Arsenic To Follow

Ash Content	0.43 % by weight
Flash Point, Pensky-Martens	184°F
Gravity:	
Specific at 60/60°F	0.9279
Lbs./gallon at 60°F	7.727
°API	21.0
Heating value:	
Btu/lb.	18,300
Btu/gal. at 60°F	141,404
Sulfur Content, Bomb Method	0.65 % by weight
Viscosity at:	
100°F Saybolt Universal	476 seconds
100°F Kinematic	102.7 centistokes
Lead, Pb	154 ppm, as rec'd
Cadmium, Cd	1.24 ppm, as rec'd
Chromium, Cr	0.58 ppm, as rec'd
Halogens	451 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. [illegible]

Manager, South Holland Laboratory

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PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box #41
Peotone, IL 60468

ATTN: David F. Wheeland

January 12, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us	#6 Oil	#6 Oil 1/5/87
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	1/6/87	

Analysis report no. 71-32256

Ash Content	0.13 % by weight
Heating value: Btu/lb.	18,135
Sulfur Content, Bomb Method	0.91 % by weight
Lead, Pb	20.4 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. [illegible]

Manager, South Holland Laboratory

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Charter Member

SAMPLE SOURCE: #5 OIL, CUSTOM BLENDED OILS INC.

SAMPLE SUBMITTED: JANUARY 6, 1987

RESULTS SUBMITTED: JANUARY 15, 1987

PARAMETER;	RESULT;	SPEC;
Flash Point	: 200 F.	140 F.
% Chlorides	: 0.05%	4,000 ppm — 50
Arsenic	: NOT RUN	5 ppm
Cadmium	: 1.12 PPM	2 ppm
Chromium (total)	: 0.284 PPM	10 ppm
Lead	: 32.60 PPM	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f: 455 SECS.
SULFUR CONTENT: 0.76%
ASH CONTENT: 0.75%
A. I. GRAVITY: 21.1 @ 60 f.
B.T.U. PER LB.: 18,203
B.S. & W : NOT RUN %

Independent Sampling and Services;

BY: BILL PETRICH

TESTS - FROM - 4 - 2 BLEDD HOUSE - WITH - #6 FROM - DRUM OUT - OF - ALLIED.

#5-OIL BLEND. LAB. RESULTS
4-2-MIX

1/13/86

PETRICH

		COMM. TESTING
	- 21.1	21
(SUS-100°)	- 455	476
	- 200°F	184°
	- 0.75	0.43
P	-0.76	0.65
AL 18,203	-140,564	18,300 - 141,404
C	-	
M	- 1.12	1.24 PPM
		0.58 " "
M	-0.28	0.58 " " "
E	LESS THAN 500	451 " " "
	32.6	154 " " "

COMMERCIAL TESTING & ENGINEERING CO.
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PLEASE ADDRESS ALL CORRES
16130 VAN DRUNEN RD
SOUTH HOL
TELEPHONE
TELEX: 285950 CC

CUSTOM BLENDED OILS, INC.
P.O. Box #41
Peotone, IL 60468

ATTN: David F. Wheeland

January 27, 1987

Sample identification
by Custom Blended Oils,

Kind of sample reported to us	#5 Oil	#5 Oil 1/5/87
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	1/6/87	

Analysis report no. 71-32255 Complete Result

Arsenic, As ..... 0.04 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cx

Manager, South Holland Laboratory

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F-464 SLK/ds

COMMERCIAL TESTING & ENGINEERING CO.
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PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box #41
Peotone, IL 60468

ATTN: David F. Wheeland

January 27, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us: #5 Oil

#5 Oil
1/5/87

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 1/6/87

Analysis report no. 71-32255 Complete Results

Arsenic, As ..... 0.04 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

Charter Member

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F-464 SLK/ds

COMMERCIAL TESTING & ENGINEERING CO.
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PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 CDMTECO SH UR

CUSTOM BLENDED OILS. INC.
P.O. Box #41
Peotone, IL 60468

ATTN: David F. Wheeland

March 24, 1987

Sample identification
by Custom Blended Oils, Inc.

821-4747

Kind of sample reported to us: Oil

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 3/3/87

Analysis report no. 71-34960

Ash Content	1.24 % by wt.
Flash Point, Pensky-Martens	128°F
Sulfur Content, Bomb Method	0.34 % by wt.
Arsenic, As	1.0 ppm, as rec'd
Lead, Pb	57.0 ppm, as rec'd
Cadmium, Cd	0.6 ppm, as rec'd
Chromium, Cr	3.6 ppm, as rec'd
Total Halogens	5609 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

Charter Member

SLK/ds

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

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PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS. INC.
P.O. Box #41
Peotone, IL 60468

March 24, 1987

ATTN: David F. Wheeland

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us Oil

821-4747

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 3/3/87

Analysis report no. 71-34960

Ash Content	1.24 % by wt.
Flash Point, Pensky-Martens	128°F
Sulfur Content, Bomb Method	0.34 % by wt.
Arsenic, As	1.0 ppm, as rec'd
Lead, Pb	57.0 ppm, as rec'd
Cadmium, Cd	0.6 ppm, as rec'd
Chromium, Cr	3.6 ppm, as rec'd
Total Halogens	5609 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

Charter Member

SLK/ds

SAMPLE SOURCE: E&L Tank Cleaners

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: <0.05	4,000 ppm
Arsenic	: <0.001	5 ppm
Cadmium	: 1.07	2 ppm
Chromium (total)	: 0.250	10 ppm
Lead	: 300.0 *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
B.T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

SAMPLE SOURCE: R&S Waste Oil

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: <0.05	4,000 ppm
Arsenic	: <0.001	5 ppm
Cadmium	: 0.68	2 ppm
Chromium/(total)	: <0.010	10 ppm
Lead	: 535 *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
B.T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

MPLE SOURCE: E&L Tank Cleaners

IPLE SUBMITTED: 2/2/87

SULTS SUBMITTED: 2/5/87

RAMETER;	RESULT;	SPEC;
ash Point	: >200 F	140 F.
Chlorides	: <0.05	4,000 ppm
senic	: <0.001	5 ppm
dmium	: 1.07	2 ppm
romium (total)	: 0.250	10 ppm
ad	: 300.0 *	100 ppm

xceeds current standard for "Used Oil":

TA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

SCOSITY SUS @ 100 f:
LFUR CONTENT:
H CONTENT:
.I. GRAVITY: @ 60 f.
.U. PER LB.:
S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

RECEIVED

APR 20 19

IEPA-D

MPLE SOURCE: P&S Waste Oil

MPLE SUBMITTED: 2/2/87

SULTS SUBMITTED: 2/5/87

RAMETER;	RESULT;	SPEC;
ash Point	: >200 F	140 F.
Chlorides	: <0.05	4,000 ppm
senic	: <0.001	5 ppm
dmium	: 0.68	2 ppm
romium (total)	: <0.010	10 ppm
ad	: 535 *	100 ppm

xceeds current standard for "Used Oil".

TA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED.

SCOSITY SUS @ 100 f:
LFUR CONTENT:
H CONTENT:
P.I. GRAVITY: @ 60 f.
.U. PER LB.:
S. & W : %

dependent Sampling and Services;

BY: Daniel Petrich

RECEIV

APR 20

MPLE SOURCE: Ill Recovery Co.

MPLE SUBMITTED: 2/2/87

SULTS SUBMITTED: 2/5/87

RAMETER;	RESULT;	SPEC;
ash Point	: >200 F	140 F.
Chlorides	: <0.05	4,000 ppm
senic	: 0.211	5 ppm
dmium	: 0.55	2 ppm
romium (total)	: <0.01	10 ppm
ad	: 272 *	100 ppm

xceeds current standard for "Used Oil":

TA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

SCOSITY SUS @ 100 f:
LFUR CONTENT:
H CONTENT:
P.I. GRAVITY: @ 60 f.
.U. PER LB.:
S. & W : %

dependent Sampling and Services;

BY: Daniel Petrich

RECE

APR

[illegible]

MPLE SUBMITTED: [illegible]

SULTS SUBMITTED: 2/5/87

RAMETER:	RESULT:	[illegible]:
ash Point	: 129 F	140 F.
Chlorides	: <0.05	4,000 ppm
senic	: <0.001	5 ppm
dmium /	: 1.5	2 ppm
romium (total)	: 0.5	[illegible]
ad	: 417	100 ppm

xceeds current standards for "Used Oil".

TA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED.

SCOSITY SUS @ 100 F:
LFUR CONTENT:
H CONTENT:
P.I. GRAVITY: @ 60 F.
.U. PER LB.:
S. & W :

ndependent Sampling and Services,

[illegible]: Daniel Patrick

SAMPLE SOURCE: Atlas Oil Co.

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: 129 F *	140 F.
% Chlorides	: <0.05	4,000 ppm
Arsenic	: <0.001	5 ppm
Cadmium	: 1.91	2 ppm
Chromium (total)	: 0.609	10 ppm
Lead	: 417	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

SAMPLE SOURCE: Ill Recovery Co.

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: <0.05	4,000 ppm
Arsenic	: 0.211	5 ppm
Cadmium	: 0.95	2 ppm
Chromium (total)	: <0.01	10 ppm
Lead	: 272 *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

E.W. SAYBOLT & CO., INC.

P. O. BOX 129
ARGO, ILLINOIS 60501
312-582-4714

LABORATORY ANALYSIS REPORT

OFFICE ARGO

CUSTOMER REF. NO.:

DATE: April 3, 1987

VESSEL/TANK(S):

LABORATORY NO.: 3138

INVOICE NO.: (ID) 7964

DESCRIPTION

Sample designated as:
Fuel Oil

Identifying Marks:
Submitted Sample

Submitted by:
Custom Blended Oils

Client:
Custom Blended Oils, Inc.

NOTES

- This laboratory report may not be published or used except in full. It shall not be used in connection with any form of advertising unless written consent is received from an officer of E. W. Saybolt & Co., Inc.
- Results were based on analysis made at the time samples were received at the laboratory.
- Samples, if any, shall be retained for a period of 45 days unless a longer period is requested in writing.
- Sample nomenclature is designated by the customer.

ANALYSIS

Gross BTU'S/gallon ASTM D-240	143,952

MEMBERS ASTM — API — SAE

R. Simmons

E. W. SAYBOLT & CO., INC.

ARGO, ILLINOIS 60501
312-582-4714

OFFICE ARGO

CUSTOMER REF. NO.:

DATE: April 3, 1987

VESSEL/TANK(S):

LABORATORY NO.: 3138

INVOICE NO.: (ID) 7964

DESCRIPTION

Sample designated as:
Fuel Oil

Identifying Marks:
Submitted Sample

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NOTES

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- Results were based on analysis made at the time samples were received at the laboratory.
- Samples, if any, shall be retained for a period of 45 days unless a longer period is requested in writing.
- Sample nomenclature is designated by the customer.

ANALYSIS

Gross BTU'S/gallon ASTM D-240	143,952

MEMBERS ASTM — API — SAE

R. Simmons

E. W. SAYBOLT & CO., INC.

FORM NO. LAB-200 (7/84)—2

E.W. SAYBOLT & CO., INC.

ARGO, ILLINOIS
312-582-4714

OFFICE ARGO

CUSTOMER REF. NO.:

DATE: April 3, 1987

VESSEL/TANK(S): S/T 5-17

LABORATORY NO.: 3135

INVOICE NO.: (ID) 7963

DESCRIPTION

Sample designated as:
Decanted Oil

Identifying Marks:
S/T 5-17 @ GATX-Bedford Park, IL on 4/3/87

Submitted by:
E.W. Saybolt & Co., Inc.

Client:
Ameropan Oil/Custom Blended Oils

NOTES

- This laboratory report may not be published or used except in full. It shall not be used in connection with any form of advertising unless written consent is received from an officer of E. W. Saybolt & Co., Inc.
- Results were based on analysis made at the time samples were received at the laboratory.
- Samples, if any, shall be retained for a period of 45 days unless a longer period is requested in writing.
- Sample nomenclature is designated by the customer.

ANALYSIS

Gravity API @ 60°F ASTM D-287	-3.2
Sulphur % Wt. ASTM D-1552	3.89%
Flash PM ASTM D-93	195°F
S & W % ASTM D-1796	0.1%
Vis. SFS @ 122°F ASTM D-88	40.2 sec.
Pour Point ASTM D-97	40°F
Grpss BTU'S/gallon	160,498

MEMBERS ASTM – API – SAE

E. W. SAYBOLT & CO., INC.

FORM NO. LAB-200 (7/84)—2

COMMERCIAL TESTING & ENGINEERING C(
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9
ICE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS A
16130 VAN

TELE

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

April 10, 1987

ATTN: David F. Wheeland

Sample identification
by Custom Blended

Kind of sample reported to us	Oil	Oil Sample 5-14
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	4/9/87	

Analysis report no. 71-36952

Gravity:	
Specific at 60/60°F	0.9692
Lb per gal. at 60°F	8.071
°API	14.5
Heating value:	
Btu/lb.	17,858
Btu/gal. at 60°F	144,136
Sulfur Content	1.64 % by weigh
Water by distillation	2.57 % by volum
Lead, Pb	124.7 ppm, as rec
Total Halogens	621.8 ppm, as rec

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cy

Manager, South Holland Laboratory

Original Copy Watermarked
For Your Protection

F-464 SLK/ds

SAMPLE SOURCE: R&S Waste Oil

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: 120 F	140 F.
% Chlorides	: <0.1	4,000 ppm
Arsenic	: <0.1	5 ppm
Cadmium	: 2.68*	2 ppm
Chromium (total)	: <0.01	10 ppm
Lead	: 508*	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATE

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

SAMPLE SOURCE: Atlas

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: <0.1	4,000 ppm
Arsenic	: <0.1	5 ppm
Cadmium	: 2.90*	2 ppm
Chromium (total)	: <0.01	10 ppm
Lead	: 328*	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

SAMPLE SOURCE: E&L Tank Clermont

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

PARAMETER:	RESULT:	SPEC:
Flash Point	: >200 F	140 F.
% Chlorides	: 0.15	4,000 ppm
Arsenic	: <0.1	5 ppm
Cadmium	: 1.66	2 ppm
Chromium (total)	: <0.01	10 ppm
Lead	: 166*	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
P.I. GRAVITY: @ 60 f.
T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

SAMPLE SOURCE: ILL Rec.

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: 155 F	140 F.
% Chlorides	: 0.27	4,000 ppm
Arsenic	: <0.1	5 ppm
Cadmium	: 3.24*	2 ppm
Chromium (total)	: <0.01	10 ppm
Lead	: 483*	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
B.T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 6014B • (312) 953-9300

NCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDEN
16130 VAN DRUNEN RD., P.O. B
SOUTH HOLLAND, IL
TELEPHONE: (312) 2
TELEX: 285950 COMTECO

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

April 16, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us: Oil

Code House

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 4/16/87

Analysis report no. 71-37207

Gravity:	
Specific at 60/60°F	0.8984
Lb per gal. at 60°F	7.481
°API	26.0
Heating value:	
Btu/lb.	18,190
Btu/gal. at 60°F	136,079
Sulfur Content	0.55 % by weight
Water by distillation	4.40 % by volume

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Original Copy Watermarked
For Your Protection

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-930C
INCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL
16130 VAN DR
SO
TEL
TELEX: 2

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

April 16, 1987

Sample identification
by Custom Blended Oi

Kind of sample reported to us: Oil

Code House

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 4/16/87

Analysis report no. 71-37207

Gravity:	
Specific at 60/60°F	0.8984
Lb per gal. at 60°F	7.481
°API	26.0
Heating value:	
Btu/lb.	18,190
Btu/gal. at 60°F	136,079
Sulfur Content	0.55 % by weight
Water by distillation	4.40 % by volume

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Original Copy Watermarked
For Your Protection

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

INCE 1908

Member of the SGS Group (Societe Generale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDEN
16130 VAN DRUNEN RD., P.O. B
SOUTH HOLLAND, IL
TELEPHONE: (312) 2
TELEX: 285950 COMTECO

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

April 16, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us Oil

Code 2-4
5-14

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 4/14/87

Analysis report no. 71-36093

Gravity:	
Specific at 60/60°F	0.8805
Lb per gal. at 60°F	7.332
°API	29.2
Heating value:	
Btu/lb.	18,996
Btu/gal. at 60°F	139,281
Viscosity At:	
100°F Saybolt Universal	88.3 seconds
100°F Kinematic	17.7 centistokes
Lead, Pb	175.1 ppm, as rec'd
Total Halogens	542.1 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cx

Manager, South Holland Laboratory

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F-466 LK/ds

Charte

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

April 16, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us: Oil

Code 1-S
5-14

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 4/14/87

Analysis report no. 71-36092

Gravity:
- Specific at 60/60°F 0.8871
- Lb per gal. at 60°F 7.387
- °API 28.0

Heating value:
- Btu/lb. 18,798
- Btu/gal. at 60°F 138,859

Viscosity At:
- 100°F Saybolt Universal ..... 250.0 seconds
- 100°F Kinematic ..... 53.9 centistokes

Lead, Pb ..... 208.6 ppm, as rec'd

Total Halogens ..... 740.6 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W Cox

Manager, South Holland Laboratory

Original Copy Watermarked
For Your Protection

Charter Memb

Recd: 6/15/87

SD #: 10-867

[illegible]	2982-7						
[illegible]	R & S						
[illegible]	>200°F						
[illegible]	0.386						
Arsenic	<.003						
[illegible]	5.29						
[illegible]	215.0						
[illegible]	2.82						

Independent Sampling
P.O. Box 822
[illegible] West 187th St.
[illegible]wood, IL 60430

Received: 9/10/87

Job #: 19-867

Laboratory Smp ID No.:	3983-7						
Sample Point: ——> All Materials Ashed; All Results ppm Unless Noted PARAMETERS:↓	Atlas						
Flashpoint	>200°F						
% Chlorine	0.210						
Arsenic	<.003						
Total Cyanides	5.41						
Lead	743.0						
Cadmium	3.05						

TECCO LABORATORIES INC. OF [illegible], INC.
1150 Junction Avenue - Schererville, Indiana 46375
1-219-322-2570 @ 1-2[illegible]-235-0311

REPORT TO:

[illegible] Petrich
Independent Sampling
PO Box 822
[illegible] West 187th St.
Lansing, IL 60438

Date: 7/15/87

Rec'd: 6/15/87

ID #: 19-867

Laboratory Sap ID No.:	3081-7						
DESCRIPTION: ——> Unless otherwise noted; units are parts per million - [ppm] PARAMETERS:↓	E & L						
Flashpoint	>200°F						
% Chlorine	0.212						
Arsenic	<.003						
Total Chromium	6.17						
Lead	541.0						
Cadmium	3.72						

[illegible] Petrash
[illegible]dependent Sampling
[illegible] Box 822
[illegible] West 187th St.
[illegible]wood, Il. 60430

Rec'd: 6/15/87

COC #: 19-867

Laboratory Sep ID No.:	3980-7						
DESCRIPTION: ——> As shown or noted; [illegible]	Ill. Recovery						
PARAMETERS:							
Flashpoint	>200°F						
[illegible]	0.73						
Cyanide	<.003						
Total Chromium	5.51						
[illegible]	181.0						
[illegible]	3.00						

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 CDMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

July 21, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us -----

Sample - #4 - Hopedale

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 7/20/87

Analysis report no. 71-40949

Gravity:
- Specific at 60/60°F 0.8956
- Lb per gal. at 60°F 7.457
- °API 26.5

Heating value:
- Btu/lb. 19,064
- Btu/gal. at 60°F 142,159

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cy

Manager, South Holland Laboratory

Original Copy Watermarked For Your Protection

Charter Member

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRE
16130 VAN DRUNEN R
SOUTH HC
TELEPHON
TELEX: 285950 C

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

July 23, 1987

Sample identification
by Custom Blended Oils,

Kind of sample reported to us ----- Sample - #4 - Hopedal

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 7/20/87

Analysis report no. 71-40949 Revised Report

Gravity:
Specific at 60/60°F 0.8956
Lb per gal. at 60°F 7.457
°API 26.5

Heating value:
Btu/lb. 19,064
Btu/gal. at 60°F 142,159

Sulfur Content ..... 1.34 % by weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cy

Manager, South Holland Laboratory

Original Copy Watermarked
For Your Protection

F-464 CLK/ds

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

July 27, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us -----

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 7/20/87

Analysis report no. 71-40948

Ash Content ..... 1.73 % by weight

Flash Point, Pensky-Martens ..... 185°F

Gravity:
- Specific at 60/60°F 0.9047
- Lb. per gal. at 60°F 7.534
- °API 24.9

Heating value:
- Btu/lb. 18,727
- Btu/gal. at 60°F 141,089

Sulfur Content ..... 1.12 % by weight

Lead, Pb ..... 51.4 ppm, as rec'd
Cadmium, Cd ..... 0.7 ppm, as rec'd
Chromium, Cr ..... 17.9 ppm, as rec'd
Arsenic, As ..... <.2 ppm, as rec'd
Total Halogens ..... 1,618.8 ppm

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

Original Copy Watermarked
For Your Protection

Charter Memb

TENCO LABORATORIES DIVN. OF THX, INC.

1150 Junction Avenue - Schererville, Indiana 46375
1-219-322-2560 ● 1-800-428-3311

REPORT TO:

Bill Petrich
Independent Sampling
1551 West 187th St.
Homewood, IL 60430

Date: 8/5/87
Recd: 7/29/87
WO #: 19-1148

Laboratory Smp ID No.:	4830-7						
DESCRIPTION: —> [Unless otherwise noted; results in parts per million - ppm] PARAMETERS: ↓	E&L Truck Cleaners Custom Blended Oils						
% Sulfur	0.74						

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6

RESULTS OF ANALYSIS: E & L DATE 9/4/87

SAMPLE SUBMITTED: 8/7/87

RESULTS REPDRTED: 8/25/87

PARAMETER	RESULT	SP
Flash Point	170 F	140 F. or Great
% Chlorine	1.87 *	4,000 ppm
ARSENIC	0.4	5 pp
CADMIUM	2.22 *	2 pp
CHROMIUM (total)	4.77	10 pp
LEAD	206 *	100 p

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Dennis A. Petersen

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R & S DATE 9/4/87

SAMPLE SUBMITTED: 8/7/87

RESULTS REPORTED: 8/25/87

PARAMETER	RESULT	SPEC.
Flash Point	180 F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	1.37	2 ppm
CHROMIUM (total)	21.7 *	10 ppm
LEAD	68.2	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Daniel Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: EBO Ader DATE 9/4/87

SAMPLE SUBMITTED: 8/7/87

RESULTS REPORTED: 8/25/87

PARAMETER	RESULT	SPEC.
Flash Point	200 F	140 F. or Greater
% Chlorine	0.29	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	0.201	2 ppm
CHROMIUM (total)	1.80	10 ppm
LEAD	17.4	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By [signature]

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: ILL Rec. DATE 9/4/87

SAMPLE SUBMITTED: 8/7/87

RESULTS REPORTED: 8/25/87

PARAMETER	RESULT	SPEC.
Flash Point	200 F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	1.37	2 ppm
CHROMIUM (total)	1.10	10 ppm
LEAD	104 *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas DATE 9/4/87

SAMPLE SUBMITTED: 8/7/87

RESULTS REPORTED: 8/25/87

PARAMETER	RESULT	SPEC.
Flash Point	200 F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	1.84	2 ppm
CHROMIUM (total)	0.962	10 ppm
LEAD	145 *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Daniel Petitt

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Societe' Generale de Surveillance)

PLEASE ADDRESS ALL CORRE
16130 VAN DRUNEN R
SOUTH HC
TELEPHON
TELEX: 285950 C

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

September 8, 1987

Sample identification by Custom Blended Oils,

Kind of sample reported to us ----- House Stock #1

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 9/2/87

Analysis report no. 71-43306

Sulfur Content ..... 0.45 % By Weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. P

Manager, South Holland Laboratory

Original Copy Watermarked For Your Protection

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
NCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORR
16130 VAN DRUNEN
SOUTH
TELEPH
TELEX: 28595

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

September 8, 1987

Sample identification by Custom Blended Oils

Kind of sample reported to us	-----	House Stock #2
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	9/2/87	

Analysis report no. 71-43307

Sulfur Content ..... 0.56 % By Weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. C

Manager, South Holland Laboratory

Original Copy Watermarked For Your Protection

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R&S Waste oil DATE 11/16/87

SAMPLE SUBMITTED: 11/1/87

RESULTS REPDRTED: 11/16/87

PARAMETER	RESULT	SPEC.
Flash Point	145 F.	140 F. or Greater
% Chlorine	0.09	4,000 ppm
ARSENIC	Less than 0.03	5 ppm
CADMIUM	0.538	2 ppm
CHROMIUM (total)	Less than 0.01	10 ppm
LEAD	24.1	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Daniel Petrick

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas

DATE 11/16/87

SAMPLE SUBMITTED: 11/1/87

RESULTS REPORTED: 11/16/87

PARAMETER	RESULT	SPEC.
20.00 Flash Point	*110 F.	140 F. or Greater
5.00 % Chlorine	0.18	4,000 ppm
2000 ARSENIC	Less than 0.03	5 ppm
CADMIUM	0.865	2 ppm
130.00 CHROMIUM (total)	Less than .01	10 ppm
45 LEAD	84.0	100 ppm
175.00 BTU		
SULF		
ASH		

* Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Daniel Petrak

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638

RESULTS OF ANALYSIS: CBO Ford 10/30 DATE 11/16/87

SAMPLE SUBMITTED: 11/1/87

RESULTS REPORTED: 11/16/87

PARAMETER	RESULT	SPEC
Flash Point	170 F.	140 F. or Greater
% Chlorine	0.26	4,000 ppm
ARSENIC	Less than .03	5 ppm
CADMIUM	0.374	2 ppm
CHROMIUM (total)	Less than .01	10 ppm
LEAD	13.4	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By [signature]

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: CBO Greenfield DATE 11/16/87

SAMPLE SUBMITTED: 11/1/87

RESULTS REPORTED: 11/16/87

PARAMETER	RESULT	SPEC.
Flash Point	170 F.	140 F. or Greater
% Chlorine	0.26	4,000 ppm
ARSENIC	0.76	5 ppm
CADMIUM	0.57	2 ppm
CHROMIUM (total)	Less than .01	10 ppm
LEAD	27.6	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Daniel Petit

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638

RESULTS OF ANALYSIS: CBO FORD,10/27 DATE 11/16/87

SAMPLE SUBMITTED: 10/27/87

RESULTS REPORTED: 11/16/87

PARAMETER	RESULT	SPEC
Flash Point	Greater than 200 F	140 F. or Greater
% Chlorine	0.09	4,000 ppm
ARSENIC	Less than .03	5 ppm
CADMIUM	0.295	2 ppm
CHROMIUM (total)	.01	10 ppm
LEAD	25.1	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Daniel Petrik

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE
16130 VAN DRUNEN RD., P.O. BOX
SOUTH HOLLAND, IL 6
TELEPHONE: (312) 264-
TELEX: 285950 COMTECO SH

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: Ron Winkle

December 10, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us: #6 Oil

Code #2,000 AX
4,000 H

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 12/10/87

Analysis report no. 71-48113

Gravity :
- Specific at 60/60°F 0.9346
- Lb per gal. at 60°F 7.783
- °API 19.9

Heating Value:
- Btu/lb. 18,402
- Btu/gal. at 60°F 143,223

Sulfur Content ..... 1.03 % By Weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Original Copy Watermarked
For Your Protection

Charter M

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESP
16130 VAN DRUNEN RD.
SOUTH HOLL
TELEPHONE:
TELEX: 285950 CO

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: Ron Winkle

December 10, 1987

Sample identification by Custom Blended Oils,

Kind of sample reported to us #6 Oil

Code #1,000 AX
5,000 H

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 12/10/87

Analysis report no. 71-48112

Gravity :
Specific at 60/60°F 0.9106
Lb per gal. at 60°F 7.582
°API 23.9

Heating Value:
Btu/lb. 18,585
Btu/gal. at 60°F 140,910

Sulfur Content ..... 0.75 % By Weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox
Manager, South Holland Laboratory

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For Your Protection

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE 8/6/86

SAMPLE SUBMITTED: 7/25/86

RESULTS REPORTED: 7/31/86

PARAMETER	RESULT	SPEC.
Flash Point	160° F	140 F. or Greater
% Chlorine	0.28	4,000 ppm
ARSENIC	2.35	5 ppm
CADMIUM	0.55	2 ppm
CHROMIUM (total)	1.55	10 ppm
LEAD	* 242.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE 9/2/86

ILL. Rec. System

SAMPLE SUBMITTED: 8/15/86

RESULTS REPORTED: 8/27/86

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 200° F	140 F. or Greater
% Chlorine	0.33	4,000 ppm
ARSENIC	Less than 0.001	5 ppm
CADMIUM	1.26	2 ppm
CHROMIUM (total)	1.30	10 ppm
LEAD	509.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE 9/2/86

South West Oil

SAMPLE SUBMITTED: 8/15/86

RESULTS REPORTED: 8/27/86

PARAMETER	RESULT	SPEC.
Flash Point	180° F	140 F. or Greater
% Chlorine	Less than .05	4,000 ppm
ARSENIC	Less than 0.001	5 ppm
CADMIUM	1.36	2 ppm
CHROMIUM (total)	1.85	10 ppm
LEAD	204.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE 9/2/86
Atlas Waste

SAMPLE SUBMITTED: 8/15/86

RESULTS REPORTED: 8/27/86

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 200° F	140 F. or Greater
% Chlorine	Less than 0.05	4,000 ppm
ARSENIC	Less than 0.001	5 ppm
CADMIUM	1.38*	2 ppm
CHROMIUM (total)	0.93	10 ppm
LEAD	418.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:
R&S Waste Oil

DATE 9/2/86

SAMPLE SUBMITTED: 8/15/86

RESULTS REPORTED: 8/27/86

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 200° F	140 F. or Greater
% Chlorine	0.57	4,000 ppm
ARSENIC	Less than 0.001	5 ppm
CADMIUM	1.74	2 ppm
CHROMIUM (total)	1.85	10 ppm
LEAD	983.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638

September 11, 1986

Mr. Ron Winkle
E.& L. Tank Cleaners

P.O. Box 41
Peotone Illinois 60468

RE: Results of Composite Sample

Dear Ron,

Listed below are the results of the sample taken on 8/6/86, which is the mate in #10 tank.

BTU/lb.	18,738
Viscosity	332 secs. SUS @ 100 F
Sulfur	0.5%
Ash	0.74%
B.S. & W.	0.05%

The viscosity was originally run at 115 centipoises, and the request of Mr. Wheeland was that it be run by SUS Universal Saybolt, which the above figure represents.

Thank you for your continued support of I.S.S.

Sincerely,

Mike Petrich

Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Southwest Oil DATE 9/22/86

SAMPLE SUBMITTED: 9/17/B6

RESULTS REPORTED: 9/22/86

PARAMETER	RESULT	SPEC.
Flash Point	200° F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.81	2 ppm
CHROMIUM (total)	3.94	10 ppm
LEAD	274.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas #32 DATE 9/22/86

SAMPLE SUBMITTED: 9/17/86

RESULTS REPORTED: 9/22/86

PARAMETER	RESULT	SPEC.
Flash Point	200° F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	2.34	2 ppm
CHROMIUM (total)	5.17	10 ppm
LEAD	504.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: ILL. Rec. DATE 9/22/86

SAMPLE SUBMITTED: 9/17/86

RESULTS REPORTED: 9/22/86

PARAMETER	RESULT	SPEC.
Flash Point	200° F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.74	2 ppm
CHROMIUM (total)	3.45	10 ppm
LEAD	266.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R&S DATE 9/22/86

SAMPLE SUBMITTED: 9/17/86

RESULTS REPORTED: 9/22/B6

PARAMETER	RESULT	SPEC.
Flash Point	142° F	140 F. or Greater
% Chlorine	1.1B	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.93	2 ppm
CHROMIUM (total)	3.69	10 ppm
LEAD	160.1	10D ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petcich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Southwest DATE 10/22/86

SAMPLE SUBMITTED: 10/17/86

RESULTS REPORTED: 10/22/86

PARAMETER	RESULT	SPEC.
Flash Point	200°	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.14	2 ppm
CHROMIUM (total)	4.28	10 ppm
LEAD	187.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas DATE 10/22/86

SAMPLE SUBMITTED: 10/17/86

RESULTS REPORTED: 10/22/86

PARAMETER	RESULT	SPEC.
Flash Point	166°	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.23	2 ppm
CHROMIUM (total)	3.86	10 ppm
LEAD	220.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Ill. Recovery DATE 10/22/86

SAMPLE SUBMITTED: 10/17/86

RESULTS REPORTED: 10/22/86

PARAMETER	RESULT	SPEC.
Flash Point	180°	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.52	2 ppm
CHROMIUM (total)	4.17	10 ppm
LEAD	337.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R.S. Waste Oil DATE 10/22/86

SAMPLE SUBMITTED: 10/17/86

RESULTS REPORTED: 10/22/86

PARAMETER	RESULT	SPEC.
Flash Point	175°	140 F. or Greater
% Chlorine	D.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.18	2 ppm
CHROMIUM (total)	4.49	10 ppm
LEAD	544.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE 8/6/86

SAMPLE SUBMITTED: 7/25/86

RESULTS REPORTED: 7/31/86

PARAMETER	RESULT	SPEC.
Flash Point	160° F	140 F. or Greater
% Chlorine	0.28	4,000 ppm
ARSENIC	2.35	5 ppm
CADMIUM	0.55	2 ppm
CHROMIUM (total)	1.55	10 ppm
LEAD	* 242.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE 9/2/86

ILL. Rec. System

SAMPLE SUBMITTED: 8/15/86

RESULTS REPORTED: 8/27/86

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 200° F	140 F. or Greater
% Chlorine	0.33	4,000 ppm
ARSENIC	Less than 0.001	5 ppm
CADMIUM	1.26	2 ppm
CHROMIUM (total)	1.30	10 ppm
LEAD	509.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE 9/2/86

South West Oil

SAMPLE SUBMITTED: 8/15/86

RESULTS REPORTED: 8/27/86

PARAMETER	RESULT	SPEC.
Flash Point	180° F	140 F. or Greater
% Chlorine	Less than .05	4,000 ppm
ARSENIC	Less than 0.001	5 ppm
CADMIUM	1.36	2 ppm
CHROMIUM (total)	1.85	10 ppm
LEAD	204.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS:
Atlas Waste

DATE 9/2/86

SAMPLE SUBMITTED: 8/15/86

RESULTS REPORTED: 8/27/86

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 200° F	140 F. or Greater
% Chlorine	Less than 0.05	4,000 ppm
ARSENIC	Less than 0.001	5 ppm
CADMIUM	1.30-	2 ppm
CHROMIUM (total)	0.93	10 ppm
LEAD	418.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE 9/2/86
R&S Waste Oil

SAMPLE SUBMITTED: 8/15/86

RESULTS REPORTED: 8/27/86

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 200° F	140 F. or Greater
% Chlorine	0.57	4,000 ppm
ARSENIC	Less than 0.001	5 ppm
CADMIUM	1.74	2 ppm
CHROMIUM (total)	1.85	10 ppm
LEAD	983.0	10D ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6

September 11, 1986

Mr. Ron Winkle
E.& L. Tank Cleaners

P.O. Box 41
Peotone Illinois 60468

RE: Results of Composite Sample

Dear Ron,

Listed below are the results of the sample taken on 8/6/86, which is the ma in #10 tank.

BTU/lb.	18,738
Viscosity	332 secs. SUS @ 10C
Sulfur	0.5%
Ash	0.74%
B.S. & W.	0.05%

The viscosity was originally run at 115 centipoises, and the request of Mr. Wheeland was that it be run by SUS Universal Saybolt, which the above figur represents.

Thank you for your continued support of I.S.S.

Sincerely,

Mike Petrich

Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Southwest Oil DATE 9/22/86

SAMPLE SUBMITTED: 9/17/86

RESULTS REPORTED: 9/22/86

PARAMETER	RESULT	SPEC.
Flash Point	200° F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.81	2 ppm
CHROMIUM (total)	3.94	10 ppm
LEAD	274.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas #32 DATE 9/22/86

SAMPLE SUBMITTED: 9/17/86

RESULTS REPORTED: 9/22/86

PARAMETER	RESULT	SPEC.
Flash Point	200° F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	2.34	2 ppm
CHROMIUM (total)	5.17	10 ppm
LEAD	504.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: ILL. Rec. DATE 9/22/86

SAMPLE SUBMITTED: 9/17/86

RESULTS REPORTED: 9/22/86

PARAMETER	RESULT	SPEC.
Flash Point	200° F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.74	2 ppm
CHROMIUM (total)	3.45	10 ppm
LEAD	266.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R&S DATE 9/22/86

SAMPLE SUBMITTED: 9/17/86

RESULTS REPORTED: 9/22/86

PARAMETER	RESULT	SPEC.
Flash Point	142° F	140 F. or Greater
% Chlorine	1.18	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.93	2 ppm
CHROMIUM (total)	3.69	10 ppm
LEAD	160.1	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INOICATEO.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638.

RESULTS OF ANALYSIS: Southwest DATE 10/22/86

SAMPLE SUBMITTED: 10/17/86

RESULTS REPORTED: 10/22/86

PARAMETER	RESULT	SPEC
Flash Point	200°	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.14	2 ppm
CHROMIUM (total)	4.28	10 ppm
LEAD	187.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas DATE 10/22/B6

SAMPLE SUBMITTED: 10/17/B6

RESULTS REPORTED: 10/22/86

PARAMETER	RESULT	SPEC.
Flash Point	166°	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.23	2 ppm
CHROMIUM (total)	3.B6	10 ppm
LEAD	220.0	100 ppm

*Exceeds current standard for "Used Dil"

DATA RESULTS IN PARTS PER MILLION UNLESS DTHER WISE INDICATED.

CDMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-63

RESULTS OF ANALYSIS: Ill. Recovery DATE 10/22/86

SAMPLE SUBMITTED: 10/17/86

RESULTS REPORTED: 10/22/86

PARAMETER	RESULT	SPE
Flash Point	180°	140 F. or Greate
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.52	2 ppm
CHROMIUM (total)	4.17	10 ppm
LEAD	337.0	100 pp

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS DF ANALYSIS: R.S. Waste Oil DATE 10/22/86

SAMPLE SUBMITTED: 10/17/86

RESULTS REPORTED: 10/22/86

PARAMETER	RESULT	SPEC.
Flash Point	175°	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.18	2 ppm
CHROMIUM (total)	4.49	10 ppm
LEAD	544.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

TENCO LABORATORIES DIVN. OF THX, INC.

1150 Junction Avenue - Schererville, Indiana 46375
1-219-322-2560 ● 1-800-428-3311

REPORT TO:
Ernie Winkle
E&L Tank Cleaners
PO Box 41
Peotone, IL 60468

Date: 11/25/86
Recd: 11/3/86
WO #: 18-1248

Laboratory Smp ID No.:	5459-6	5460-6	5461-6	5462-6			
DESCRIPTION: —> [Unless otherwise noted; results in parts per million - ppm] PARAMETERS: ↓	Well #1 11/3	Well #2 11/3	Well #3 11/3	Well #4 11/3			
Total Iron	0.120	0.171	0.501	10.50			
Manganese	0.131	0.370	0.052	0.285			
Zinc	<0.002	<0.002	<0.002	0.030			
Silver	<0.002	<0.002	0.030	<0.002			

Certified by:

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: South West Oil DATE 11/17/86

SAMPLE SUBMITTED: 11/2/86

RESULTS REPORTED: 11/15/86

PARAMETER	RESULT	SPEC.
Flash Point	165°	140 F. or Greater
% Chlorine	.05	4,000 ppm
ARSENIC	.04	5 ppm
CADMIUM	12.6	2 ppm
CHROMIUM (total)	2.86	10 ppm
LEAD	120	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 6D43D (312) 798-6

RESULTS OF ANALYSIS: R & S DATE 11/17/86

SAMPLE SUBMITTED: 11/2/86

RESULTS REPORTED: 11/15/86

PARAMETER	RESULT	SP
Flash Point	200°	140 F. or Great
% Chlorine	.05	4,000 ppm
ARSENIC	.04	5 pp
CADMIUM	1.47	2 pp
CHROMIUM (total)	2.14	10 pp
LEAD	148	100 p

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas waste oil DATE 11/17/86

SAMPLE SUBMITTED: 11/2/86

RESULTS REPORTED: 11/15/86

PARAMETER	RESULT	SPEC.
Flash Point	175°	140 F. or Greater
% Chlorine	0.4	4,000 ppm
ARSENIC	.04	5 ppm
CADMIUM	8.23	2 ppm
CHROMIUM (total)	4.21	10 ppm
LEAD	441	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Illinois Recovery DATE 11/17/86

SAMPLE SUBMITTED: 11/2/86

RESULTS REPORTED: 11/15/86

PARAMETER	RESULT	SPEC.
Flash Point	200°	140 F. or Greater
% Chlorine	.05	4,000 ppm
ARSENIC	.04	5 ppm
CADMIUM	1.93	2 ppm
CHROMIUM (total)	3.16	10 ppm
LEAD	238	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

SAMPLE SOURCE: South West Oil Sample NO. 62

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point:	200 F	140 F
% Chlorides:	0.36 %	4,000 ppm
Arsenic:	.04 ppm	5.0 ppm
Cadmium:	1.58 ppm	2.0 ppm
Chromium (total):	2.90 ppm	10.0 ppm
Lead:	276.0 ppm *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive lead concentrations and needs to blended to meet the specifications set out for "Used Oil".

Independent Sampling and Services;

BY: Bill Petrich

SAMPLE SOURCE: South West Oil Sample NO. 62

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point: 200 F	140 F	140 F.
% Chlorides:		4,000 ppm
Arsenic:		5 ppm
Cadmium:		2 ppm
Chromium (total):		10 ppm
Lead:		100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive lead concentrations and needs to be down-blended to meet the specifications set out for "Used Oil".

Independent Sampling and Services;

BY: Bill Petrich

ADDITONAL ANALYSES: Viscosity SUS @ 100 F._____seconds. Sulfur_____

B.T.U._____Ash_____B.S.&W._____Gravity_____

SAMPLE SOURCE: R. & S. Waste Oil Sample No. 61

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point: 200 F.	140 F.	140 F.
% Chlorides:		4,000 ppm
Arsenic:		5 ppm
Cadmium:		2 ppm
Chromium (total):		10 ppm
Lead:		100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This material shows excessive lead concentrations, and should be c
blended for use in industrial boiler applications only.

Independent Sampling and Services;

BY: Bill Petrich

ADDITONAL ANALYSES: Viscosity SUS @ 100 F._____seconds. Sulfur_____

B.T.U._____Ash_____B.S.&W._____Gravity_____

SAMPLE SOURCE: R. & S. Waste Oil Sample No. 61

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point:	200 F.	140 F.
% Chlorides:	.05 %	4,000 ppm
Arsenic:	.04 ppm	5 ppm
Cadmium:	1.96 ppm	2.0 ppm
Chromium (total):	3.55 ppm	10 ppm
Lead:	301 ppm	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This material shows excessive lead concentrations, and should be do
blended for use in industrial boiler applications only.

Independent Sampling and Services;

BY: Bill Petrich

SAMPLE SOURCE: Illinois Recovery Co. Sample No. 63

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point:	200 F.	140 F.
% Chlorides:	.05 %	4,000 ppm
Arsenic:	.04 ppm	5.0 ppm
Cadmium:	1.78 ppm	2.0 ppm
Chromium (total):	3.26 ppm	10.0 ppm
Lead:	288 ppm *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive amounts of lead concentration and shoul be down-blended with other low lead fuels to an acceptable level.

Independent Sampling and Services;

BY: Bill Petrich

SAMPLE SOURCE: Illinois Recovery Co. Sample No. 63

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point: 200 F.	140 F.	140 F.
% Chlorides:		4,000 ppm
Arsenic:		5 ppm
Cadmium:		2 ppm
Chromium (total):		10 ppm
Lead:		100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive amounts of lead concentration and should be down-blended with other low lead fuels to an acceptable level.

Independent Sampling and Services;

BY: Bill Petrich

ADDITONAL ANALYSES: Viscosity SUS @ 100 F._____seconds. Sulfur_____

B.T.U._____Ash_____B.S.&W._____Gravity_____

E.W. SAYBOLT & CO., INC.

P. O. BOX 179
ARGO, ILLINOIS 60501
312-382-4714

LABORATORY ANALYSIS REPORT

OFFICE Argo

CUSTOMER REF. NO.:

DATE: 12-18-86

VESSEL/TANK(S): S/T 42-1

LABORATORY NO.: 2899

INVOICE NO.: (ID)7527

DESCRIPTION

Sample designated as:
#2 Fuel Oil

Identifying Marks:
S/T 42-1 composite

Submitted by:
E. W. Saybolt & Co., Inc.

Client:
Allied Oil Co.

ANALYSIS

Gravity API @ 60°F ASTM D-287	12.0
Sulphur % WT. ASTM D-1552	.94%
Flash PM ASTM D-93	198°F
S & W % ASTM D-1796	.5%
Vis, (SFS @ 122°F) ASTM D-88	113.7
Pour Point ASTM D-97	50°

NOTES

- This laboratory report may not be published or used except in full. It shall not be used in connection with any form of advertising unless written consent is received from a officer of E. W. Saybolt & Co., Inc.
- Results were based on analysis made at the time samples were received at the laboratory.
- Samples, if any, shall be retained for a period of 45 days unless a longer period is requested in writing.
- Sample nomenclature is designated by the customer.

MEMBERS ASTM API SAE

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: House stock DATE 11/17/86

SAMPLE SUBMITTED: 11/2/86

RESULTS REPORTED: 11/15/86

PARAMETER	RESULT	SPEC.
Flash Point	200°	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	.04	5 ppm
CADMIUM	1.05	2 ppm
CHROMIUM (total)	1.31	10 ppm
LEAD	145	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: House Stock DATE 10/22/86

SAMPLE SUBMITTED: 10/17/86

RESULTS REPORTED: 10/22/86

PARAMETER	RESULT	SPEC.
Flash Point	158°	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.24	2 ppm
CHROMIUM (total)	3.11	10 ppm
LEAD	171.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: House Stock DATE 9/22/86

SAMPLE SUBMITTED: 9/17/86

RESULTS REPORTED: 9/22/86

PARAMETER	RESULT	SPEC.
Flash Point	200° F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.71	2 ppm
CHROMIUM (total)	3.69	10 ppm
LEAD	96.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS DF ANALYSIS: DATE 9/2/86

House stock

SAMPLE SUBMITTED: 8/15/86

RESULTS REPORTED: 8/27/86

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 200° F	140 F. or Greater
% Chlorine	Less than 0.05	4,000 ppm
ARSENIC	Less than 0.001	5 ppm
CADMIUM	0.70	2 ppm
CHROMIUM (total)	0.93	10 ppm
LEAD	173.D	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-63

RESULTS OF ANALYSIS: B & D Oil DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPE
Flash Point	183 F.	140 F. or Greate
% Chlorine	<0.05	4,D00 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.265	2 ppm
CHROMIUM (total)	0.040	10 ppm
LEAD	8.39	100 pp

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

March 1988 through December 1988

COMMENTS:

Independent Sampling and Services: By Bill Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: ILL Recovery DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	148 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.750	2 ppm
CHROMIUM (total)	0.42	10 ppm
LEAD	67.8	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Bill Stine

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Van Hosen DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	150 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.435	2 ppm
CHROMIUM (total)	0.044	10 ppm
LEAD	39.4	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Bill Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Tony DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	183 F.	140 F. or Greater
% Chlorine	<0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	1.23	2 ppm
CHROMIUM (total)	1.09	10 ppm
LEAD	*129	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS: Lead concentration is dropping but still exceeds specifications.

Independent Sampling and Services: By Bill Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Interstate Pollution DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	158 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.590	2 ppm
CHROMIUM (total)	6.92	10 ppm
LEAD	*126	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS: Lead must be down-blended to achieve compliance.

Independent Sampling and Services: By Bill Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R & S DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	165 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	1.46	2 ppm
CHROMIUM (total)	0.813	10 ppm
LEAD	173*	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS: Lead content must be down-blended to achieve compliance.

Independent Sampling and Services: By Bill Ettner

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: CBO Greenfield DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	180 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.700	2 ppm
CHROMIUM (total)	0.227	10 ppm
LEAD	57.8	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Bill Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: E & L DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	150 F.	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	1.15	2 ppm
CHROMIUM (total)	0.515	10 ppm
LEAD	*165	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS: Lead is still high - and must be down - blended.

Independent Sampling and Services: By Bill Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

MARCH 4, 1988

E. & L. Tank Cleaners
P.O. Box 41
Peotone Illinois 60468

ATTN: Ron Winkle

RE: Oil Results

SAMPLES SUBMITTED: MARCH 4, 1988

PARAMETER:		Southwest Oil	Ill. Recovery	Texoma
Flashpoint		200 F +	200 F +	200 F +
Arsenic		0.04 ppm	0.19 ppm	0.37 ppm
Cadmium		2.63 ppm	1.57 ppm	2.36 ppm
Chromium Total		0.02 ppm	0.02 ppm	1.39 ppm
Lead		193 ppm*	96.10ppm	137.0 ppm*
% Chlorine	Less than	0.04	0.04	0.04

*Exceeds recommended standard for lead.

The figures represent a continuity, and a much lower concentration of lead than had been previously experienced.

Respectfully,

Dan Petrich
I.S.S.

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

MARCH 4, 1988

E. & L. Tank Cleaners
P.O. Box 41
Peotone Illinois 60468

ATTN: Ron Winkle

RE: Oil Results

SAMPLES SUBMITTED: MARCH 4, 1988

PARAMETER:		Southwest Oil	Ill. Recovery	Texoma
Flashpoint		200 F +	200 F +	200 F
Arsenic		0.04 ppm	0.19 ppm	0.37 p
Cadmium		2.63 ppm	1.57 ppm	2.36 p
Chromium Total		0.02 ppm	0.02 ppm	1.39 p
Lead		193 ppm*	96.10ppm	137.0
% Chlori	Less than	0.04	0.04	0.0

*Exceeds recommended standard for lead.

The figures represent a continuity, and a much lower concentration of lead than ha been previously experienced.

Respectfully,

Dan Petrich
I.S.S.

CHICAGO LINE 312 / 821-4747
PEOTONE LINE 312 / 258-6881
P. O. BOX #41
PEOTONE, IL 60468

CUSTOM BLENDED OILS, INC.

Quality Blended Fuel Oils

April 4, 1988

Mr. Eugene P. Theios, Manager
Administrative Compliance Unit
Compliance Section
Division of Land Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield Illinois 62706

RE: 1970750002-Will County
Pre-Enforcement Conference Letter
March 23, 1988

Mr. Theios,

After receiving your Pre-Enforcement Letter of March 23, I was embarassed for not having responded to the letter of February 8, 1988. The difficulty seems to have been our inability to locate the specific manifests outlined in the letter of February 8, 1988. (1652233 and 1261287). To date we have been unable to locate copies of either of those two manifests.

The additional manifest mentioned in your March 23, 1988 letter, (1261417) we have located, as well as the manifest relative to the Ford Motor Company of Indianapolis Indiana, (1652061).

At the suggestion of Mr. Bill Petrich, Bill Petrich, environmental services..., we will attempt to explain the confusion that was obviously generated by our lack of complete understanding of the regulations.

1. We had applied for a change in the name of our permit to Custom Blended Oils Inc. from E. & L. Tank Cleaners, because we generate fuel oil for heavy industry, and sell this product to industry as Custom Blended Oils Inc. We therefore wanted to operate under one corporate name.
2. As of April 4, 1988, our request for name change has not been ruled upon by the Illinois Environmental Protection Agency, Division of Land Pollution Control, and our phone call to Marla Layman indicated that the agency had until the 24th of April, (90 days) to make a decision on the name change.
3. Because of this, we contacted Mr. Bob Watson of the permit section, and were informed that if we sent down for supplemental permits, under the name Custom Blended Oils Inc. <u>before</u> the name change was approved, the applications would be rejected.
4. In 1987 permits were submitted to the agency for multi-stop service station used oil collecti[illegible] The permits were made out on pink application forms. Many of the forms were sent back requesting additional information. When the

Multi-stop restricted to serv. stations.

Modifyied Operated Permit to ("Other Used Oils")

application forms were available. We now have the green forms made out in the name of Custom Blended Oils Inc. and are awaiting the decision by the agency for the requested name change.

5. The use of the 000049 Stream Authorization Number by Ford Motor Company was not our doing. Their stream, (purchased oil) is taken to our facility in Greenfield Indiana, where it is agglomerated with other oils, purchased in Indian This is oil is then brought to Peotone for final blending into useable fuel.

   Our understanding is that the manifest requirement would then apply when we bring used oil (Illinois "special waste"), from Greenfield to Peotone, it would be under a supplemental permit issued to Custom Blended Oils Inc. and not Ford Motor Company?

6. The state of Indiana no longer has restrictions on the hauling of used crankcase oil, and indeed encourages the re-use of this oil in accordance with the federal mandate to "minimize" waste, and re-cycle and recover in every instance possible. On this basis, will the Illinois Environmental Protection Agency continue to insist on manifests for "purchased" oil, not "waste"?

Mr. Petrich indicated that when he spoke with you, that some "thirty to thirty-five" manifests were now improperly executed, and that each represents a violation of the statute. On this basis we have directed our personnel as follows:

1. All manifests made out as of April 4, 1988, will have the name of the permit holding company, E. & L. Tank Cleaners.
2. All manifests will have the Stream Authorization Number, issued by the I.E.P.A. and the Illinois, Indiana, Wisonsin, Kentucky, Minnesota, Ohio, identification number, issued by those agencies, state and/or federal.
3. For each and every stream received by Custom Blended Oils Inc. a Stream Authoriza number must be applied for on a green application sheet supplied by the I.E.P.A. with all of the information requested given.
4. In the case of "multi-stop" service station accumulations, each Licensed Waste Hauler who brings oil to Custom Blended Oils Inc. will have obtained an Illinois Generators Number on behalf of their multiple stops, and will supply to Custom Blended Oils Inc. samples of Oil (special waste), so that appropriate analyses may be performed prior to submission for Stream Authorization Number.
5. Samples of each days "receipts" of oil will be kept, and analyzed in accordance with Illinois Environmental Protection Agency Title 35, Subpart E: Used Oil Burned for Energy Recovery 726.143, 726.140.

We apologize for the confusion that was generated as a result of our not implementing policies and procedures as relates to manifest generation, and administration. Please allow that Custom Blended Oils Inc. (E. & L. Tank Cleaners) will endeavor to conform with each and every aspect of the regulation in the future, and that our willingness to cooperate with the agency is hereby reaffirmed.

Respectfully,

Ernest Winkle

Ernest Winkle
President

for supplementary permit # is changed from a different facility.

MANIFESTS from Ford should say = Generator CBO Greenfield to CBO Peotone, IL. Our Generator # goes in ~~Gen~~ Top Generator #. (where Ford's Gen. # was).

WI MANIFEST's should read - ~~Gerry Power~~ CBO - WI. (Multi-stop) - WI. to CBO Peotone (not Minit Lubes).

Proper ID for Used Oil - Used Oil or Crankcase Oil (Non-Haz.) / ORM (Other Reg Mat)

WI Non Haz ORME NON HAZ) - in DOT Part of Manifest.
Used Oil) (To satisfy Dep. of Trans.)

Supplementary permit # for Ind & WI until we get Generic Perm #.

MUST have Authorization # (ALL IL. MANIFESTS).

Cindy Nelson - Hauling & P.U. w/ Trucks
Analysis WITHIN a year (Green Sheets)
1,000 every 3 mos - cannot be part of a multi-stop.
Generic is on composition of oil!

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 20, 1988

SAMPLE SUBMITTED: April 12, 1988

RESULTS REPORTED: April 20, 1988

Dukes # 101

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 140 F.	140 F. or Greater
% Chlorine	Less than 0.05%	4,000 ppm
ARSENIC	Less than 0.40 ppm	5 ppm
CADMIUM	1.60 ppm	2 ppm
CHROMIUM (total)	2.36 ppm	10 ppm
LEAD	122.0 ppm *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil should be down-blended with virgin fuel, or recovered oils containing less lead concentration.

Independent Sampling and Services: By Bill Fetner

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 20, 1988

SAMPLE SUBMITTED: April 12, 1988

RESULTS REPORTED: April 20, 1988

Greenfield # 102

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 140 F.	140 F. or Greater
% Chlorine	Less than 0.05%	4,000 ppm
ARSENIC	Less than 0.40 ppm	5 ppm
CADMIUM	2.00 ppm	2 ppm
CHROMIUM (total)	3.49 ppm	10 ppm
LEAD	130 ppm*	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Although the lead concentration continues to drop in used crankcase oil, it still exceeds federal E.P.A. guidelines. Suggest down-blending with oils containing -0- lead.

Independent Sampling and Services: By Bill Estes

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-63

RESULTS OF ANALYSIS: DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

Ford # 111

PARAMETER	RESULT	SPE
Flash Point	Greater than 200° F	140 F. or Greate
% Chlorine	3816 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 ppm
CADMIUM	0.895 ppm	2 ppm
CHROMIUM (total)	1.15 ppm	10 ppm
LEAD	6.42 ppm	100 pp

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:
This oil conforms to the criteria established by the federal E.P.A. for "used oil".

Independent Sampling and Services: By Bill Peters

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

Ill. Recovery, # 107

PARAMETER	RESULT	SPEC.
Flash Point	135 ° F. *	140 F. or Greater
% Chlorine	2632 ppm	4,000 ppm
ARSENIC	Less than 0.4 ppm	5 ppm
CADMIUM	2.52 ppm *	2 ppm
CHROMIUM (total)	3.84 ppm	10 ppm
LEAD	124.0 ppm *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil exceeds federal standards in Flash Point, Cadmium, and Lead, and shou

be blended with virgin oil to prepare material for customer use.

Independent Sampling and Services: By Bill Ettinger

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

Dukes # 108

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	786 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 ppm
CADMIUM	1.67 ppm	2 ppm
CHROMIUM (total)	2.67 ppm	10 ppm
LEAD	148.0 ppm*	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This stream exceeds lead concentration as determined by federal E.P.A. and shoul

therefore beblended with non-lead bearing oil to reach conformity.

Independent Sampling and Services: By Bill Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

R. & S. # 103

PARAMETER	RESULT	SPEC.
Flash Point	150° F.	140 F. or Greater
% Chlorine	2256 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 ppm
CADMIUM	1.40 ppm	2 ppm
CHROMIUM (total)	1.84 ppm	10 ppm
LEAD	91.1 ppm	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This stream conforms with federal E.P.A. guide lines for "used oil".

Independent Sampling and Services: By Bill Petrus

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

CBO # 104

PARAMETER	RESULT	SPEC.
Flash Point	170 ° F	140 F. or Greater
% Chlorine	407 ppm	4,000 ppm
ARSENIC	Less than .04 ppm	5 ppm
CADMIUM	1.10 ppm	2 ppm
CHROMIUM (total)	1.22 ppm	10 ppm
LEAD	30.3 ppm	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil stream conforms to the federal guidelines for used oil, and can be blended with other conforming streams.

Independent Sampling and Services: By Bill Peterson

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE April 30, 1988

SAMPLE SUBMITTED: April 18, 1988

RESULTS REPORTED: April 30, 1988

House Stock, # 109

PARAMETER	RESULT	SPEC.
Flash Point	N.E.	140 F. or Greater
% Chlorine	848 ppm	4,000 ppm
ARSENIC	Less than 0.4 ppm	5 ppm
CADMIUM	1.95 ppm	2 ppm
CHROMIUM (total)	3.11 ppm	10 ppm
LEAD	134.0 *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

The lead concentration in the house stock exceeds federal guidelines, and this material should be blended with virgin oil to make up customers product.

Independent Sampling and Services: By Bill Peter

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE May 17, 1988

SAMPLE SUBMITTED: May 6, 1988

RESULTS REPORTED: May 17, 1988

CBO sample #2 ISS 204

PARAMETER	RESULT	SPEC.
Flash Point	180° F	140 F. or Greater
% Chlorine	1,567 ppm	4,000 ppm
ARSENIC		5 ppm
CADMIUM		2 ppm
CHROMIUM (total)		10 ppm
LEAD		100 ppm
ASH	0.87	0.76-0.81

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil sample refelcts "typical" analysis for blended fuel produced from "used oil" containing "crankcase" oil, along with other recovered oils.

The sample was analysed in accordance with accepted A.P.I., A.S.T.M., and E.P.A protocols.

Independent Sampling and Services: By

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE May 17, 1988

SAMPLE SUBMITTED: May 6, 1988

RESULTS REPORTED: May 17, 1988

CBO Sample #1, ISS # 203

PARAMETER	RESULT	SPEC.
Flash Point	155 ° F	140 F. or Greater
% Chlorine	1,235 ppm	4,000 ppm
ARSENIC		5 ppm
CADMIUM		2 ppm
CHROMIUM (total)		10 ppm
LEAD		100 ppm
ASH	0.67 %	SAE: 0.76 to 0.81

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

This sample reflects the accepted properties of "used oil" from a crankcase source, and is not to be construed as "different" than other crankcase blended fuels produced from "used oil" sources.

COMMENTS:

Independent Sampling and Services: By Bill Ethan

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
NCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

May 27, 1988

ATTN: David F. Wheeland

Sample identification by Custom Blended Oils, Inc.

Kind of sample reported to us	-----	New Blend 25-35
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	5/20/88	

Analysis report no. 71-56638

Ash Content ..... 0.89 % By Weight

Flash Point, Pensky-Martens ..... 182°F

Gravity At:
- Specific at 60/60°F 0.9297
- Lb per gal. at 60°F 7.742
- °API 20.7

Heating Value:
- Btu/lb. 18,024
- Btu/gal. at 60°F 139,542

Sulfur Content ..... 0.72 % By Weight

Viscosity At: SUSAT 100° ??
- 122°F Syabolt Furol ..... 29.6 Seconds
- 122°F Kinematic ..... 62.7 Centistokes

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W Cox

Manager, South Holland Laboratory

Charter Member

464 DWC/ds

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE June 21, 1988

SAMPLE SUBMITTED: may 25, 1988

RESULTS REPORTED: June 21, 1988

Berreth Oil.

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.20	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	0.210	2 ppm
CHROMIUM (total)	10.13 *	10 ppm
LEAD	44.7	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil shows an elevated level of chromium, and should be re-checked to ascertain if this material is intrinsic to crankcase oil.

Suggest down-blending with virgin oil.

Independent Sampling and Services: By

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE June 21, 1988

SAMPLE SUBMITTED: May 25, 1988

RESULTS REPORTED: June 21, 1988

Texoma

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.36	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	0.07	2 ppm
CHROMIUM (total)	0.004	10 ppm
LEAD	2.23	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil meets the specfications of "used oil" and this material may be used in blending for industrial purposes.

Independent Sampling and Services: By

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE June 21, 1988

SAMPLE SUBMITTED: May 25, 1988

RESULTS REPORTED: June 21, 1988

Southwest Waste Oil

PARAMETER	RESULT	SPEC.
Flash Point	165 F.	140 F. or Greater
% Chlorine	0.15	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	0.79	2 ppm
CHROMIUM (total)	2.93	10 ppm
LEAD	98.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil meets the required specifications for "used oil".

Independent Sampling and Services: By

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE June 21, 1988

SAMPLE SUBMITTED: May 25, 1988

RESULTS REPORTED: June 21, 1988

Daves Waste Oil

PARAMETER	RESULT	SPEC.
Flash Point	120 F. *	140 F. or Greater
% Chlorine	0.15	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	1.38	2 ppm
CHROMIUM (total)	0.68	10 ppm
LEAD	135.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

The flash point is below acceptable limits, and this oil would not qualify as used oil under current definitions of used oil. Suggest monitoring this stream and instructing the supplier that his product does not meet federal or state requirements for "used oil".

Independent Sampling and Services: By

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE August 4, 1988

SAMPLE SUBMITTED: August 20, 1988

RESULTS REPORTED: August 1, 1988

Special Sulfur determination for Frank Brothers

PARAMETER	RESULT	SPEC.
Flash Point		140 F. or Greater
% Chlorine		4,000 ppm
ARSENIC		5 ppm
CADMIUM		2 ppm
CHROMIUM (total)		10 ppm
LEAD		100 ppm
Sulfur	Less than 0.2 %	

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

All three samples of retained loads shipped to Frank Brothers as fuel tested at lessthan 0.2 % Sulfur content. This is well below their 0.44 % requirement.

Independent Sampling and Services: By Mike Petrich

Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE September 27, 1988

SAMPLE SUBMITTED: September 15, 1988

RESULTS REPORTED: September 27, 1988

TANK #9

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.17	4,000 ppm
ARSENIC	0.001	5 ppm
CADMIUM	1.59	2 ppm
CHROMIUM (total)	0.004	10 ppm
LEAD	95.1	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil is within the presecribed parameters for" used oil" as outlined in Subpart E. part 266 40 CFR.

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE November 23, 1988

SAMPLE SUBMITTED: October 28, 1988

RESULTS REPORTED: November 23, 1988

House Stock, Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point	142 F.	140 F. or Greater
% Chlorine	0.02 %	4,000 ppm
ARSENIC	0.1 ppm	5 ppm
CADMIUM	1.31 ppm	2 ppm
CHROMIUM (total)	0.004 ppm	10 ppm
LEAD	122.0 ppm *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Lead concentration is just slightly high, but reflects the trend downward of crankcase oil. Suggest blending with other stocks to achieve "used oil" compliance.

Independent Sampling and Services: By Bill Tetman

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE November 23, 1988

SAMPLE SUBMITTED: October 28, 1988

RESULTS REPORTED: November 23, 1988

Southwest Waste Dil, Submitted by Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point	174 F.	140 F. or Greater
% Chlorine	0.18%	4,000 ppm
ARSENIC	0.30 ppm	5 ppm
CADMIUM	2.21 ppm *	2 ppm
CHROMIUM (total)	0.004 ppm	10 ppm
LEAD	90.8 ppm	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Slight overage on the Cadmium concentration, otherwise this oil is well ithin the specifications for "used oil".

Independent Sampling and Services: By Bill Ostrom

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE November 23, 1988

SAMPLE SUBMITTED: Oct. 28, 1988

RESULTS REPORTED: Nov. 23, 1988

R. & S. Waste Oil, Submitted by Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point	132 F. *	140 F. or Greater
% Chlorine	0.21 %	4,000 ppm
ARSENIC	0.2 ppm	5 ppm
CADMIUM	1.48 ppm	2 ppm
CHROMIUM (total)	0.0D4 ppm	10 ppm
LEAD	103.0 ppm *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

The Flash Point of this sample is somewhat low, however even trace quantities of aliphatic, and/or aromatic hydrocarbons could create this situation. Lead is also just over the limit proscribed by the E.P.A. specifications.

Independent Sampling and Services: By Bill Petrin

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE November 23, 1988

SAMPLE SUBMITTED: October 28, 1988

RESULTS REPORTED: November 23, 1988

Jerry Remer, Waste Oil, Submitted by Custom Blended Oils Inc.

PARAMETER	RESULT	SPEC.
Flash Point	200 F.	140 F. or Greater
% Chlorine	0.04 %	4,000 ppm
ARSENIC	0.1 ppm	5 ppm
CADMIUM	2.16 ppm *	2 ppm
CHROMIUM (total)	0.004 ppm	10 ppm
LEAD	80.9 ppm	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

This oil shows just a slight increase in the Cadmium concentration. The other parameters reflect a "used oil" characteristic.

Independent Sampling and Services: By Bill Ettrin

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 331-2900
TELEX: 285950 COMTECO SH UR
FAX: (312) 333-3060

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: Ron Winkle

December 21, 1988

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us: Oil

Sample I.D.: New Blend 200-400

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 12/16/88

Analysis report no. 71-67802

Gravity At:	
Specific at 60/60°F	0.9659
Lb per gal. at 60°F	8.044
°API	15.0
Heating Value:	
Btu/lb.	18,191
Btu/gal. at 60°F	146,328
Sulfur Content	1.98 % By Weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Original Copy Watermarked
For Your Protection

F-464 DWC/ds

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDE
16130 VAN DRUNEN RD., P.O.
SOUTH HOLLAND,
TELEPHONE: (312)
TELEX: 285950 COMTEC
FAX: (312)

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: Larry Winkle

December 23, 1988

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us Oil

Sample I.D.: New Blend 100-500

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 12/22/88

Analysis report no. 71-68053

Gravity At:
- Specific at 60/60°F 0.9646
- Lb per gal. at 60°F 8.033
- °API 15.2

Heating value:
- Btu/lb. 18,308
- Btu/gal. at 60°F 147,068

Sulfur content ..... 1.74 % By Weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cy

Manager, South Holland Laboratory

Original Copy Watermarked
For Your Protection

F-464 DES/ds

INDEPENDENT SAMPLING AND SERVICES, INC

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Tank 10 DATE 1/4/1989

SAMPLE SUBMITTED: 12/6/1988

RESULTS REPORTED: 12/30/1988

SOURCE:

PARAMETER	RESULT	SPECIFICATION
Flash Point	196° F	140 F. or Great
% Chlorine	1.9D	4,000 ppm
ARSENIC	Less than 0.03	5.0 ppm
CADMIUM	1.55	2.0 ppm
CHROMIUM (total)	Less than 0.004	10.0 ppm
LEAD	86.4	100.0 ppm

*Exceeds current standards for "Used Oil"

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED.

COMMENTS:

Independent Sampling and Services Inc. By

INDEPENDENT SAMPLING AND SERVICES, INC.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R&S Waste oil DATE 1/4/1989

SAMPLE SUBMITTED: 12/6/1988

RESULTS REPORTED: 12/30/1988

SOURCE:

PARAMETER		RESULT	SPECIFICATION
Flash Point		154° F	140 F. or Greater
% Chlorine		0.70	4,000 ppm
ARSENIC		0.10	5.0 ppm
CADMIUM		2.13 *	2.0 ppm
CHROMIUM (total)	Less than	0.004	10.0 ppm
LEAD		83.4	100.0 ppm

*Exceeds current standards for "Used Oil"

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED.

COMMENTS:

Independent Sampling and Services Inc. By

INDEPENDENT SAMPLING AND SERVICES, INC.

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Illinois Recovery DATE 1/4/1989

SAMPLE SUBMITTED: 12/6/1988

RESULTS REPORTED: 12/30/1988

SOURCE:

PARAMETER	RESULT	SPECIFICATION
Flash Point	194° F	140 F. or Greater
% Chlorine	0.19	4,000 ppm
ARSENIC	0.06	5.0 ppm
CADMIUM	1.81	2.0 ppm
CHROMIUM (total)	Less than 0.004	10.0 ppm
LEAD	93.7	100.0 ppm

*Exceeds current standards for "Used Oil"

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED.

COMMENTS:

Independent Sampling and Services Inc. By Mike Potch

January 5, 1987

Custom Blended Oils Inc.
P.O. Box 41
Peotone Illinois 60468

ATTN: Mr. David Wheeland

Knox College
Northup Oil

RE: Analysis of Blended Stock, #5 Oil.

Dear Mr. Wheeland,

We are pleased to submit the following analytical information relative to the sample we picked-up of the subject oil.

The analytical work was delayed due to the rush of work prior to the holidays, and we apologize for any inconvenience that this may have caused you.

The parameters and results are listed as follows:

January 1987 Through December 1987

PARAMETER		RESULT
B.T.U. per lb.		18,973
% Sulfur		0.59%
% Chlorine		0.20%
Flash Point, Pensky Martens,		200 F. +
Bottom Sediment and Water		Less than 1%
Metals:		
Arsenic	.04 ppm	
Chromium Total	3.55 ppm	
Cadmium	1.78 ppm	
Lead	298.00 ppm	
Ash		0.78 %
Viscosity SUS @ 100 F.		297 secs

The results from samples 61 through 63 reflecting the properties of the received oils will be forthcoming.

Thank you for your patience in this matter.

Bill Petrich
Independent Sampling & Svc.

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE
16130 VAN DRUNEN RD., P.O. BOX
SOUTH HOLLAND, IL 6
TELEPHONE: (312) 264-
TELEX: 285950 COMTECO SI

CUSTOM BLENDED OILS, INC.
P.O. Box #41
Peotone, IL 60468

ATTN: David F. Wheeland

January 12, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us	#5 Oil	#5 Oil 1/5/87
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	1/6/87	

Analysis report no. 71-32255 Arsenic To Follow

Ash Content	0.43 % by weight
Flash Point, Pensky-Martens	184°F
Gravity:	
Specific at 60/60°F	0.9279
Lbs./gallon at 60°F	7.727
°API	21.0
Heating value:	
Btu/lb.	18,300
Btu/gal. at 60°F	141,404
Sulfur Content, Bomb Method	0.65 % by weight
Viscosity at:	
100°F Saybolt Universal	476 seconds
100°F Kinematic	102.7 centistokes
Lead, Pb	154 ppm, as rec'd
Cadmium, Cd	1.24 ppm, as rec'd
Chromium, Cr	0.58 ppm, as rec'd
Halogens	451 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. [illegible]

Manager, South Holland Laboratory

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DWC/ds

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
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Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box #41
Peotone, IL 60468

ATTN: David F. Wheeland

January 12, 1987

Sample identification by Custom Blended Oils, Inc.

Kind of sample reported to us	#5 Oil	#5 Oil 1/5/87
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	1/6/87	

Analysis report no. 71-32255 Arsenic To Follow

Ash Content	0.43 % by weight
Flash Point, Pensky-Martens	184°F
Gravity:	
Specific at 60/60°F	0.9279
Lbs./gallon at 60°F	7.727
°API	21.0
Heating value:	
Btu/lb.	18,300
Btu/gal. at 60°F	141,404
Sulfur Content, Bomb Method	0.65 % by weight
Viscosity at:	
100°F Saybolt Universal	476 seconds
100°F Kinematic	102.7 centistokes
Lead, Pb	154 ppm, as rec'd
Cadmium, Cd	1.24 ppm, as rec'd
Chromium, Cr	0.58 ppm, as rec'd
Halogens	451 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

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Charter Member

F-464 DWC/ds

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box #41
Peotone, IL 60468

ATTN: David F. Wheeland

January 12, 1987

		Sample identification by Custom Blended Oils, Inc.
Kind of sample reported to us	#6 Oil	#6 Oil 1/5/87
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	1/6/87	

Analysis report no. 71-32256

Ash Content	0.13 % by weight
Heating value: Btu/lb.	18,135
Sulfur Content, Bomb Method	0.91 % by weight
Lead, Pb	20.4 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. C.

Manager, South Holland Laboratory

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For Your Protection

F-464 DWC/ds

Charter Member

SAMPLE SOURCE: #5 OIL, CUSTOM BLENDED OILS INC.

SAMPLE SUBMITTED: JANUARY 6, 1987

RESULTS SUBMITTED: JANUARY 15, 1987

PARAMETER;	RESULT;	SPEC;
Flash Point	: 200 F.	140 F.
% Chlorides	: 0.05%	4,000 ppm
Arsenic	: NOT RUN	5 ppm
Cadmium	: 1.12 PPM	2 ppm
Chromium (total)	: 0.284 PPM	10 ppm
Lead	: 32.60 PPM	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f: 455 SECS.
SULFUR CONTENT: 0.76%
ASH CONTENT: 0.75%
A.P.I. GRAVITY: 21.1 @ 60 f.
B.T.U. PER LB.: 18,203
B.S. & W : NOT RUN %

Independent Sampling and Services;

BY: BILL PETRICH

TESTS - FROM - 4 - 2 BLEND HOUSE - WITH - #6 FROM - DRUM OUT - OF - ALLIED.

#5-OIL BLEND. LAB. RESULTS
4-2-MIX

1/13/86

PETRICH

		COMM. TESTING
	- 21.1	21
(SUS-100°)	- 455	476
	- 200°F	184°
	- 0.75	0.43
R	-0.76	0.65
AL 18,203	-140,564	18,300 - 141,404
C	-	
M	- 1.12	1.24 PPM
		0.58 " "
M	-0.28	0.58 " " "
DE	LESS THAN 500	451 " " "
	32.6	154 " " "

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPO
16130 VAN DRUNEN RD., E
SOUTH HOLLA
TELEPHONE: (
TELEX: 285950 COM

CUSTOM BLENDED OILS, INC.
P.O. Box #41
Peotone, IL 60468

ATTN: David F. Wheeland

January 27, 1987

		Sample identification by Custom Blended Oils, I
Kind of sample reported to us	#5 Oil	#5 Oil 1/5/87
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	1/6/87	

Analysis report no. 71-32255 Complete Results

Arsenic, As ..... 0.04 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

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For Your Protection

F-464 SLK/ds

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
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PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box #41
Peotone, IL 60468

ATTN: David F. Wheeland

January 27, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us	#5 Oil	#5 Oil 1/5/87
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	1/6/87	

Analysis report no. 71-32255 Complete Results

Arsenic, As ..... 0.04 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

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OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS,
TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

Charter Member

F-464 SLK/ds

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

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3312900

PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS. INC.
P.O. Box #41
Peotone, IL 60468

March 24, 1987

ATTN: David F. Wheeland

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us: Oil

821-4747

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 3/3/87

Analysis report no. 71-34960

Ash Content	1.24 % by wt.
Flash Point, Pensky-Martens	128°F
Sulfur Content, Bomb Method	0.34 % by wt.
Arsenic, As	1.0 ppm, as rec'd
Lead, Pb	57.0 ppm, as rec'd
Cadmium, Cd	0.6 ppm, as rec'd
Chromium, Cr	3.6 ppm, as rec'd
Total Halogens	5609 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

Charter Member

SLK/ds

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

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PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS. INC.
P.O. Box #41
Peotone, IL 60468

March 24, 1987

ATTN: David F. Wheeland

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us: Oil

821-4747

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 3/3/87

Analysis report no. 71-34960

Ash Content	1.24 % by wt.
Flash Point, Pensky-Martens	128°F
Sulfur Content, Bomb Method	0.34 % by wt.
Arsenic, As	1.0 ppm, as rec'd
Lead, Pb	57.0 ppm, as rec'd
Cadmium, Cd	0.6 ppm, as rec'd
Chromium, Cr	3.6 ppm, as rec'd
Total Halogens	5609 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

Charter Member

SLK/ds

SAMPLE SOURCE: E&L Tank Cleaners

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: <0.05	4,000 ppm
Arsenic	: <0.001	5 ppm
Cadmium	: 1.07	2 ppm
Chromium (total)	: 0.250	10 ppm
Lead	: 300.0 *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
B.T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

SAMPLE SOURCE: R&S Waste Oil

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: <0.05	4,000 ppm
Arsenic	: <0.001	5 ppm
Cadmium	: 0.68	2 ppm
Chromium (total)	: <0.010	10 ppm
Lead	: 535 *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
B.T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

MPLE SOURCE: E&L Tank Cleaners

IPLE SUBMITTED: 2/2/87

SULTS SUBMITTED: 2/5/87

RAMETER;	RESULT;	SPEC;
ash Point	: >200 F	140 F.
Chlorides	: <0.05	4,000 ppm
senic	: <0.001	5 ppm
dmium	: 1.07	2 ppm
romium (total)	: 0.250	10 ppm
ad	: 300.0 *	100 ppm

xceeds current standard for "Used Oil":

TA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

SCOSITY SUS @ 100 f:
LFUR CONTENT:
H CONTENT:
P.I. GRAVITY: @ 60 f.
.U. PER LB.:
S. & W : %

lependent Sampling and Services;

BY: Daniel Petrich

RECEIVED

APR 20 1987

IEPA-DLPC

MPLE SOURCE: R&S Waste Oil

MPLE SUBMITTED: 2/2/87

SULTS SUBMITTED: 2/5/87

RAMETER;	RESULT;	SPEC;
ash Point	: >200 F	140 F.
Chlorides	: <0.05	4,000 ppm
senic	: <0.001	5 ppm
dmium	: 0.68	2 ppm
romium (total)	: <0.010	10 ppm
ad	: 525 *	100 ppm

xceeds current standard for "Used Oil".

TA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED.

SCOSITY SUS @ 100 f:
LFUR CONTENT:
H CONTENT:
P.I. GRAVITY: @ 60 f.
.U. PER LB.:
S. & W : %

dependent Sampling and Services;

BY: Daniel Petrich

MPLE SOURCE: III Recovery Co.

MPLE SUBMITTED: 2/2/87

SULTS SUBMITTED: 2/5/87

RAMETER;	RESULT;	SPEC;
ash Point	: >200 F	140 F.
Chlorides	: <0.05	4,000 ppm
senic	: 0.211	5 ppm
dmium	: 0.95	2 ppm
romium (total)	: <0.01	10 ppm
ad	: 272 *	100 ppm

xceeds current standard for "Used Oil":

TA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

SCOSITY SUS @ 100 f:
LFUR CONTENT:
H CONTENT:
P.I. GRAVITY: @ 60 f.
.U. PER LB.:
S. & W : %

dependent Sampling and Services;

BY: Daniel Patrich

RECEIV

APR 20

[illegible]

MPLE SUBMITTED: [illegible]

SULTS SUBMITTED: [illegible]

RAMETER:	RESULT:	STD:
ash Point	: 129 F	140 F.
Chlorides	: 0.05	4,000 ppm
senic	: 0.001	5 ppm
dmium	: 1.[illegible]	2 ppm
romium (total)	: 0.609	10 ppm
ad	: 417	100 ppm

xceeds current standard for "Used Oil".

TA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED.

SCOSITY SUS @ 100 F:
LFUR CONTENT:
H CONTENT:
P.I. GRAVITY: @ 60 F.
.U. PER LB.:
S. & W : %

dependent Sampling and Services;

By: Daniel Patrich

SAMPLE SOURCE: Atlas Oil Co.

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: 129 F *	140 F.
% Chlorides	: <0.05	4,000 ppm
Arsenic	: <0.001	5 ppm
Cadmium	: 1.91	2 ppm
Chromium (total)	: 0.609	10 ppm
Lead	: 417	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

SAMPLE SOURCE: Ill Recovery Co.

SAMPLE SUBMITTED: 2/2/87

RESULTS SUBMITTED: 2/5/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: <0.05	4,000 ppm
Arsenic	: 0.211	5 ppm
Cadmium	: 0.95	2 ppm
Chromium (total)	: <0.01	10 ppm
Lead	: 272 *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
B.T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

E.W. SAYBOLT & CO., INC.

E. W. SAYBOLT & CO. INC.
P. O. BOX 129
ARGO, ILLINOIS 60501
312-582-4714

LABORATORY ANALYSIS REPORT

OFFICE ARGO

CUSTOMER REF. NO.:

DATE: April 3, 1987

VESSEL/TANK(S):

LABORATORY NO.: 3138

INVOICE NO.: (ID) 7964

DESCRIPTION

Sample designated as:
Fuel Oil

Identifying Marks:
Submitted Sample

Submitted by:
Custom Blended Oils

Client:
Custom Blended Oils, Inc.

NOTES

- This laboratory report may not be published or used except in full. It shall not be used in connection with any form of advertising unless written consent is received from an officer of E. W. Saybolt & Co., Inc.
- Results were based on analysis made at the time samples were received at the laboratory.
- Samples, if any, shall be retained for a period of 45 days unless a longer period is requested in writing.
- Sample nomenclature is designated by the customer.

ANALYSIS

Gross BTU'S/gallon ASTM D-240	143,952

MEMBERS ASTM — API — SAE

R. J. Simmons

E. W. SAYBOLT & CO., INC.

O. LAB-200 (7/84)—2

E.W. SAYBOLT & CO., INC.

P. O. BOX 129
ARGO, ILLINOIS 60501
312-582-4714

OFFICE ARGO

CUSTOMER REF. NO.:

DATE: April 3, 1987

VESSEL/TANK(S):

LABORATORY NO.: 3138

INVOICE NO.: (ID) 7964

DESCRIPTION

Sample designated as:
Fuel Oil

Identifying Marks:
Submitted Sample

Submitted by:
Custom Blended Oils

Client:
Custom Blended Oils, Inc.

NOTES

- This laboratory report may not be published or used except in full. It shall not be used in connection with any form of advertising unless written consent is received from an officer of E. W. Saybolt & Co., Inc.
- Results were based on analysis made at the time samples were received at the laboratory.
- Samples, if any, shall be retained for a period of 45 days unless a longer period is requested in writing.
- Sample nomenclature is designated by the customer.

ANALYSIS

Gross BTU'S/gallon ASTM D-240	143,952

MEMBERS ASTM — API — SAE

R. Simmons

E. W. SAYBOLT & CO., INC.

FORM NO. LAB-200 (7/84)—2

E.W. SAYBOLT & CO., INC.

ARGO, ILLINOIS 60501
312-582-4714

LABORATORY ANALYSIS REPORT

OFFICE ARGO

CUSTOMER REF. NO.:

DATE: April 3, 1987

VESSEL/TANK(S): S/T 5-17
LABORATORY NO.: 3135
INVOICE NO.: (ID) 7963

DESCRIPTION

Sample designated as:
Decanted Oil

Identifying Marks:
S/T 5-17 @ GATX-Bedford Park, IL on 4/3/87

Submitted by:
E.W. Saybolt & Co., Inc.

Client:
Ameropan Oil/Custom Blended Oils

ANALYSIS

Gravity API @ 60°F ASTM D-287	-3.2
Sulphur % Wt. ASTM D-1552	3.89%
Flash PM ASTM D-93	195°F
S & W % ASTM D-1796	0.1%
Vis. SFS @ 122°F ASTM D-88	40.2 sec.
Pour Point ASTM D-97	40°F
Gross BTU'S/gallon	160,498

NOTES

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- Results were based on analysis made at the time samples were received at the laboratory.
- Samples, if any, shall be retained for a period of 45 days unless a longer period is requested in writing.
- Sample nomenclature is designated by the customer.

MEMBERS ASTM – API – SAE

E. W. SAYBOLT & CO., INC.

FORM NO. LAB-200 (7/84)—2

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-930
VCE 1908
Member of the SGS Group (Société Générale de Surveillance)

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TE
TELEX:

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

April 10, 1987

ATTN: David F. Wheeland

Sample identification
by Custom Blended C

Kind of sample reported to us: Oil

Oil Sample
5-14

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 4/9/87

Analysis report no. 71-36952

Gravity:	
Specific at 60/60°F	0.9692
Lb per gal. at 60°F	8.071
°API	14.5
Heating value:	
Btu/lb.	17,858
Btu/gal. at 60°F	144,136
Sulfur Content	1.64 % by weight
Water by distillation	2.57 % by volume
Lead, Pb	124.7 ppm, as rec'd
Total Halogens	621.8 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. C

Manager, South Holland Laboratory

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For Your Protection

F-464 SLK/ds

SAMPLE SOURCE: R&S Waste Oil

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: 120 F	140 F.
% Chlorides	: <0.1	4,000 ppm
Arsenic	: <0.1	5 ppm
Cadmium	: 2.68*	2 ppm
Chromium (total)	: <0.01	10 ppm
Lead	: 508*	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

SAMPLE SOURCE: Atlas

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

PARAMETER;	RESULT;	SPEC;
Flash Point	: >200 F	140 F.
% Chlorides	: <0.1	4,000 ppm
Arsenic	: <0.1	5 ppm
Cadmium	: 2.90*	2 ppm
Chromium (total)	: <0.01	10 ppm
Lead	: 328*	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
P.I. GRAVITY: @ 60 f.
T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services;

BY: Daniel Petrich

SAMPLE SOURCE: EAL Tank Clemmons

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

PARAMETER:	RESULT:	SPEC:
Flash Point	: >200 F	140 F.
% Chlorides	: 0.15	4,000 ppm
Arsenic	: <0.1	5 ppm
Cadmium	: 1.66	2 ppm
Chromium (total)	: <0.01	10 ppm
Lead	: 166*	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services:

BY: Daniel Petrich

SAMPLE SOURCE: ILL Rec.

SAMPLE SUBMITTED: 3/23/87

RESULTS SUBMITTED: 4/13/87

PARAMETER:	RESULT:	SPEC:
Flash Point	: 155 F	140 F.
% Chlorides	: 0.27	4,000 ppm
Arsenic	: <0.1	5 ppm
Cadmium	: 3.24*	2 ppm
Chromium (total)	: <0.01	10 ppm
Lead	: 483*	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED:

VISCOSITY SUS @ 100 f:
SULFUR CONTENT:
ASH CONTENT:
A.P.I. GRAVITY: @ 60 f.
B.T.U. PER LB.:
B.S. & W : %

Independent Sampling and Services:

BY: Daniel Petrich

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

NCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE
16130 VAN DRUNEN RD., P.O. BOX
SOUTH HOLLAND, IL 60
TELEPHONE: (312) 264-
TELEX: 285950 COMTECO SH

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

April 16, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us: Oil

Code House

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 4/16/87

Analysis report no. 71-37207

Gravity:	
Specific at 60/60°F	0.8984
Lb per gal. at 60°F	7.481
°API	26.0
Heating value:	
Btu/lb.	18,190
Btu/gal. at 60°F	136,079
Sulfur Content	0.55 % by weight
Water by distillation	4.40 % by volume

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

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For Your Protection

Charter Mem

F-464 SLK/ds

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
INCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CO
16130 VAN DRUNE
SOUT
TELEP
TELEX: 2859

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

April 16, 1987

ATTN: David F. Wheeland

Sample identification
by Custom Blended Oils

Kind of sample reported to us: Oil

Code House

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 4/16/87

Analysis report no. 71-37207

Gravity:	
Specific at 60/60°F	0.8984
Lb per gal. at 60°F	7.481
°API	26.0
Heating value:	
Btu/lb.	18,190
Btu/gal. at 60°F	136,079
Sulfur Content	0.55 % by weight
Water by distillation	4.40 % by volume

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

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F-464 SLK/ds

COMMERCIAL TESTING & ENGINEERING CO.
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INCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE
16130 VAN DRUNEN RD., P.O. BOX
SOUTH HOLLAND, IL 60
TELEPHONE: (312) 264-
TELEX: 285950 COMTECO SH

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

April 16, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us: Oil

Code 2-4
5-14

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 4/14/87

Analysis report no. 71-36093

Gravity:	
Specific at 60/60°F	0.8805
Lb per gal. at 60°F	7.332
°API	29.2
Heating value:	
Btu/lb.	18,996
Btu/gal. at 60°F	139,281
Viscosity At:	
100°F Saybolt Universal	88.3 seconds
100°F Kinematic	17.7 centistokes
Lead, Pb	175.1 ppm, as rec'd
Total Halogens	542.1 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

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F-464 SLK/ds

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

April 16, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us: Oil

Code 1-S
5-14

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 4/14/87

Analysis report no. 71-36092

Gravity:
- Specific at 60/60°F 0.8871
- Lb per gal. at 60°F 7.387
- °API 28.0

Heating value:
- Btu/lb. 18,798
- Btu/gal. at 60°F 138,859

Viscosity At:
- 100°F Saybolt Universal ..... 250.0 seconds
- 100°F Kinematic ..... 53.9 centistokes

Lead, Pb ..... 208.6 ppm, as rec'd

Total Halogens ..... 740.6 ppm, as rec'd

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

Charter Member

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F-464 SLK/ds

[illegible] Supplies
[illegible]
[illegible] Sts.
[illegible] 60180

Date: [illegible]
Rec'd: 6/15/87
ID #: 10-867

[illegible] ID No.:	3082-7						
[illegible]	R & S						
[illegible]	>200°F						
[illegible]	0.986						
Arsenic	<.005						
[illegible]	5.29						
[illegible]	215.0						
[illegible]	9.83						

Independent Sampling
P.O. Box 822
2151 West 187th St.
Homewood, IL 60430

Recd: 6/15/87

ID #: 10-867

Laboratory Sample ID No.:	3983-7						
CONTAINER: ——> (All containers needed; ice on arrival pH less than 2 for acids) PARAMETERS:	Atlas						
Flashpoint	>200°F						
% Chlorine	0.210						
Arsenic	<.003						
Total Chromium	5.41						
Lead	743.0						
Cadmium	3.05						

TESTCO LABORATORIES [illegible], INC.
1150 Junction Avenue - Gary, Indiana 46402
1-219-[illegible] or 1-219-[illegible]

Date 7/13/87

Rec'd 8/13/87

Job #: 19-867

Attn: Mr.

Jim Petrich
Independent Sampling
P.O. Box 828
[illegible] West 187th St.
Homewood, IL 60430

Laboratory Sap ID No.:	3381-7						
DESCRIPTION: ---> Unless otherwise noted, all results are parts per million - (ppm) PARAMETERS:	M & L						
Flashpoint	>200°F						
Total Chlorine	0.212						
Arsenic	<.003						
Total Chromium	0.17						
Lead	541.0						
Cadmium	3.75						

Bill Petrich
Independent Sampling
PO Box 825
351 West 187th St.
Lansing, IL 60438

Rec'd: 6/15/87

ISO #: 19-867

Laboratory Smp ID No.:	3980-7						
DESCRIPTION: ——>	Ill. Recovery						
Unless otherwise noted, data in ppm per dry wgt. PARAMETERS:							
Flashpoint	>200°F						
% Chlorine	0.73						
Cresols	<.003						
PCBs Corrosion	5.51						
Lead	181.0						
Cadmium	3.00						

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
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Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

July 21, 1987

Sample identification by Custom Blended Oils, Inc.

Kind of sample reported to us ----- Sample - #4 - Hopedale

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 7/20/87

Analysis report no. 71-40949

Gravity:
- Specific at 60/60°F 0.8956
- Lb per gal. at 60°F 7.457
- °API 26.5

Heating value:
- Btu/lb. 19,064
- Btu/gal. at 60°F 142,159

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cy

Manager, South Holland Laboratory

Charter Member

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464 SLK/ds

COMMERCIAL TESTING & ENGINEERING CO.
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Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESP
16130 VAN DRUNEN RD.,
SOUTH HOLL
TELEPHONE:
TELEX: 285950 CO

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

July 23, 1987

Sample identification
by Custom Blended Oils, I

Kind of sample reported to us -----

Sample - #4 - Hopedale

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 7/20/87

Analysis report no. 71-40949 Revised Report

Gravity:
- Specific at 60/60°F 0.8956
- Lb per gal. at 60°F 7.457
- °API 26.5

Heating value:
- Btu/lb. 19,064
- Btu/gal. at 60°F 142,159

Sulfur Content ..... 1.34 % by weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

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F-464 SLK/ds

COMMERCIAL TESTING & ENGINEERING CO.
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PLEASE ADDRESS ALL CORRESPONDENCE TO:
16130 VAN DRUNEN RD., P.O. BOX 127
SOUTH HOLLAND, IL 60473
TELEPHONE: (312) 264-1173
TELEX: 285950 COMTECO SH UR

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: David F. Wheeland

July 27, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us -----

Sample taken at -----

Sample taken by Custom Blended Oils, Inc.

Date sampled -----

Date received 7/20/87

Analysis report no. 71-40948

Ash Content ..... 1.73 % by weight

Flash Point, Pensky-Martens ..... 185°F

Gravity:
- Specific at 60/60°F 0.9047
- Lb. per gal. at 60°F 7.534
- °API 24.9

Heating value:
- Btu/lb. 18,727
- Btu/gal. at 60°F 141,089

Sulfur Content ..... 1.12 % by weight

Lead, Pb ..... 51.4 ppm, as rec'd
Cadmium, Cd ..... 0.7 ppm, as rec'd
Chromium, Cr ..... 17.9 ppm, as rec'd
Arsenic, As ..... <.2 ppm, as rec'd
Total Halogens ..... 1,618.8 ppm

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox

Manager, South Holland Laboratory

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F-464 DWC/ds

Charter Member

TENCO LABORATORIES DIVN. OF THX, INC.

1150 Junction Avenue - Schererville, Indiana 46375
1-219-322-2560 ● 1-800-428-3311

REPORT TO:

Bill Petrich
Independent Sampling
1551 West 187th St.
Homewood, IL 60430

Date: 8/5/87
Recd: 7/29/87
WO #: 19-1148

Laboratory Smp ID No.:	4830-7						
DESCRIPTION: —> [Unless otherwise noted; results in parts per million - ppm] PARAMETERS: ↓	E&L Truck Cleaners Custom Blended Oils						
% Sulfur	0.74						

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638

RESULTS OF ANALYSIS: E & L DATE 9/4/87

SAMPLE SUBMITTED: 8/7/87

RESULTS REPORTED: 8/25/87

PARAMETER	RESULT	SPE
Flash Point	170 F	140 F. or Greater
% Chlorine	1.87 *	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	2.22 *	2 ppm
CHROMIUM (total)	4.77	10 ppm
LEAD	206 *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Dennis A. Petersen

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R & S DATE 9/4/87

SAMPLE SUBMITTED: 8/7/B7

RESULTS REPORTED: B/25/87

PARAMETER	RESULT	SPEC.
Flash Point	180 F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	1.37	2 ppm
CHROMIUM (total)	21.7 *	10 ppm
LEAD	68.2	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By David Petrak

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: EBO Ader DATE 9/4/87

SAMPLE SUBMITTED: 8/7/87

RESULTS REPORTED: 8/25/87

PARAMETER	RESULT	SPEC.
Flash Point	200 F	140 F. or Greater
% Chlorine	0.29	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	0.201	2 ppm
CHROMIUM (total)	1.80	10 ppm
LEAD	17.4	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By David Petersik

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: ILL Rec. DATE 9/4/87

SAMPLE SUBMITTED: 8/7/87

RESULTS REPORTED: 8/25/87

PARAMETER	RESULT	SPEC.
Flash Point	200 F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	1.37	2 ppm
CHROMIUM (total)	1.10	10 ppm
LEAD	104 *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By [signature]

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas DATE 9/4/87

SAMPLE SUBMITTED: 8/7/87

RESULTS REPORTED: 8/25/87

PARAMETER	RESULT	SPEC.
Flash Point	200 F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.4	5 ppm
CADMIUM	1.84	2 ppm
CHROMIUM (total)	0.962	10 ppm
LEAD	145 *	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Daniel L. Peterik

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESP
16130 VAN DRUNEN RD.,
SOUTH HOLL
TELEPHONE:
TELEX: 285950 CON

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

September 8, 1987

Sample identification by Custom Blended Oils,

House Stock #1

Kind of sample reported to us	-----
Sample taken at	-----
Sample taken by	Custom Blended Oils, Inc.
Date sampled	-----
Date received	9/2/87

Analysis report no. 71-43306

Sulfur Content ..... 0.45 % By Weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. P

Manager, South Holland Laboratory

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F-464 DWC/ds

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
NCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRES
16130 VAN DRUNEN RD
SOUTH HO
TELEPHONE
TELEX: 285950 C

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

September 8, 1987

Sample identification by Custom Blended Oils,

Kind of sample reported to us	-----	House Stock #2
Sample taken at	-----	
Sample taken by	Custom Blended Oils, Inc.	
Date sampled	-----	
Date received	9/2/87	

Analysis report no. 71-43307

Sulfur Content ..... 0.56 % By Weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. C

Manager, South Holland Laboratory

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F-464 DWC/ds

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: R&S Waste oil DATE 11/16/87

SAMPLE SUBMITTED: 11/1/87

RESULTS REPORTED: 11/16/87

PARAMETER	RESULT	SPEC.
Flash Point	145 F.	140 F. or Greater
% Chlorine	0.09	4,000 ppm
ARSENIC	Less than 0.03	5 ppm
CADMIUM	0.538	2 ppm
CHROMIUM (total)	Less than 0.01	10 ppm
LEAD	24.1	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Daniel Petrik

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas DATE 11/16/87

SAMPLE SUBMITTED: 11/1/B7

RESULTS REPORTED: 11/16/87

PARAMETER	RESULT	SPEC.
20.00 Flash Point	*110 F.	140 F. or Greater
5.00 % Chlorine	0.18	4,000 ppm
2000 ARSENIC	Less than 0.03	5 ppm
CADMIUM	0.865	2 ppm
130.00 CHROMIUM (total)	Less than .01	10 ppm
45 LEAD	84.0	100 ppm
175.00 BTU		
SULF		
ASH		

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Daniel Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: CBD Ford 1D/30 DATE 11/16/87

SAMPLE SUBMITTED: 11/1/87

RESULTS REPORTED: 11/16/87

PARAMETER	RESULT	SPEC.
Flash Point	170 F.	140 F. or Greater
% Chlorine	0.26	4,000 ppm
ARSENIC	Less than .03	5 ppm
CADMIUM	0.374	2 ppm
CHROMIUM (total)	Less than .01	10 ppm
LEAD	13.4	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Dennis Petrick

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: CBO Greenfield DATE 11/16/87

SAMPLE SUBMITTED: 11/1/87

RESULTS REPORTED: 11/16/87

PARAMETER	RESULT	SPEC.
Flash Point	170 F.	140 F. or Greater
% Chlorine	0.26	4,000 ppm
ARSENIC	0.76	5 ppm
CADMIUM	0.57	2 ppm
CHROMIUM (total)	Less than .01	10 ppm
LEAD	27.6	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Daniel Petit Jr

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: CBO FORD,10/27 DATE 11/16/87

SAMPLE SUBMITTED: 10/27/87

RESULTS REPORTED: 11/16/87

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 200 F	140 F. or Greater
% Chlorine	0.09	4,000 ppm
ARSENIC	Less than .03	5 ppm
CADMIUM	0.295	2 ppm
CHROMIUM (total)	.01	10 ppm
LEAD	25.1	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Daniel Petrick

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE T
16130 VAN DRUNEN RD., P.O. BOX 12
SOUTH HOLLAND, IL 6047
TELEPHONE: (312) 264-117
TELEX: 285950 COMTECO SH U

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: Ron Winkle

December 10, 1987

Sample identification
by Custom Blended Oils, Inc.

Kind of sample reported to us: #6 Oil

Code #2,000 AX
4,000 H

Sample taken at: _____

Sample taken by: Custom Blended Oils, Inc.

Date sampled: _____

Date received: 12/10/87

Analysis report no. 71-48113

Gravity :
- Specific at 60/60°F 0.9346
- Lb per gal. at 60°F 7.783
- °API 19.9

Heating Value:
- Btu/lb. 18,402
- Btu/gal. at 60°F 143,223

Sulfur Content ..... 1.03 % By Weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, South Holland Laboratory

Original Copy Watermarked
For Your Protection

RAH/ds

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300
SINCE 1908
Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPON
16130 VAN DRUNEN RD., P.
SOUTH HOLLAN
TELEPHONE: (31
TELEX: 285950 COMTE

CUSTOM BLENDED OILS, INC.
P.O. Box 1041
Peotone, IL 60468

ATTN: Ron Winkle

December 10, 1987

Sample identification by Custom Blended Oils, In

Kind of sample reported to us: #6 Oil

Code #1,000 AX
5,000 H

Sample taken at: -----

Sample taken by: Custom Blended Oils, Inc.

Date sampled: -----

Date received: 12/10/87

Analysis report no. 71-48112

Gravity :
- Specific at 60/60°F 0.9106
- Lb per gal. at 60°F 7.582
- °API 23.9

Heating Value:
- Btu/lb. 18,585
- Btu/gal. at 60°F 140,910

Sulfur Content ..... 0.75 % By Weight

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

David W. Cox
Manager, South Holland Laboratory

Original Copy Watermarked
For Your Protection

F-464

RAH/ds

Cha

#21

4-14-87

Butch

We can also deliver to your other locations in Wisconsin - depending how far North for a little more!
$.30 Muskego $.31 De Pere delivered

140° F delivered temp.

6500 gal.

Thank you,

CHICAGO LINE 312 / 821-4747
PEOTONE LINE 312 / 258-6881
P. O. BOX #41
PEOTONE, IL 60468

CUSTOM BLENDED OILS, INC.

Quality Blended Fuel Oils

INFORMATION SHEET

MEDIUM BURNER FUEL
TYPICAL SPECIFICATIONS

COMPOSITION	
GRAVITY (API)	25 - 28
FLASH	175 - 200°F
VISCOSITY (SUS 100°)	175 - 225
SULPHUR %	0.35 - 0.55
ASH	0.50 - 0.55
B.T.U. (PER GAL)	144,000 - 146,000
B.S.&.W.	1% - 2%
ARSENIC	LESS THAN 5 PPM
CADMIUM	LESS THAN 2 PPM
CHROMIUM	LESS THAN 10 PPM
LEAD	LESS THAN 100 PPM
HALOGENS	LESS THAN 1000 PPM

This product contains recycled oil, and it follows the guidelines and requirements for the material, as contained in the Federal EPA register Volume 50 section 230 dated November 29, 1985.

SOMMER-FREY LABORATORIES, INC.
Environmental, Industrial & Food Analysis since 1900

Payne & Dolan, Inc.
P.O. Box 781
Waukesha, WI 53187

December 1, 1987
Project #9547

Attn: Glenn Elliott

Oil Analysis

Dryer Fuel 11-13-87 Control #12

Flash Point, P-M, °F	120
Arsenic, ppm	0.7
Cadmium, ppm	1.1
Chromium, ppm	15.2
Lead, ppm	353
Total Halogens as Cl, ppm	1270
PCB's	N.D. (l.o.d. 10 ppm)

Cr
Pb
TOX

Gary G. Geipel
Senior Analyst

6125 West National Avenue, P.O. Box 14513, Milwaukee, Wisconsin 53214, (414) 475-6700

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: South West Oil DATE 11/17/86

SAMPLE SUBMITTED: 11/2/86

RESULTS REPORTED: 11/15/86

PARAMETER	RESULT	SPEC.
Flash Point	165°	140 F. or Greater
% Chlorine	.05	4,000 ppm
ARSENIC	.04	5 ppm
CADMIUM	12.6	2 ppm
CHROMIUM (total)	2.86	10 ppm
LEAD	120	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-638

RESULTS OF ANALYSIS: R & S DATE 11/17/86

SAMPLE SUBMITTED: 11/2/B6

RESULTS REPORTED: 11/15/86

PARAMETER	RESULT	SPEC
Flash Point	200°	140 F. or Greater
% Chlorine	.05	4,000 ppm
ARSENIC	.04	5 ppm
CADMIUM	1.47	2 ppm
CHROMIUM (total)	2.14	10 ppm
LEAD	148	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: Atlas waste oil DATE 11/17/86

SAMPLE SUBMITTED: 11/2/86

RESULTS REPORTED: 11/15/86

PARAMETER	RESULT	SPEC.
Flash Point	175°	140 F. or Greater
% Chlorine	0.4	4,000 ppm
ARSENIC	.04	5 ppm
CADMIUM	B.23	2 ppm
CHROMIUM (total)	4.21	10 ppm
LEAD	441	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS DF ANALYSIS: Illinois Recovery DATE 11/17/86

SAMPLE SUBMITTED: 11/2/86

RESULTS REPORTED: 11/15/86

PARAMETER	RESULT	SPEC.
Flash Point	200°	140 F. or Greater
% Chlorine	.05	4,000 ppm
ARSENIC	.04	5 ppm
CADMIUM	1.93	2 ppm
CHROMIUM (total)	3.16	10 ppm
LEAD	238	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

BILL PETRICH
Environmental Services

P.O. Box 822
Homewood, IL 60430
(312) 798-6383

March 17, 1989

RECEIVED
MAR 20 1989
OFFICE OF RCRA
Waste Management Division
U.S. EPA, REGION V

Ms Sue Rodenbeck
US E.P.A., RCRA
Enforcement Branch (5HR-12)
230 South Dearborn Street
Chicago Illinois 60604

RE: Custom Blended
Oils Inc.

Ms Rodenbeck,

At the direction of Mr. Ernest Winkle, President of Custom Blended Oils Inc., our client, we are submitting today copies of analysis performed on "used oils" processed by Custom Blended Oils. The analyses were performed by Tenco Laboratories, of Schererville Indiana, a certified laboratory under protocols established by the E.P.A. and found in SW-846 OSW.

The analyses cover the period from July of 1986 to and through December of 1988. There have been no analyses performed in 1989, because of the lack of business activity this year.

Should any technical questions occur, we would be pleased to cooperate with you in answering them. If you have questions of policy, and/or procedure relative to Custom Blended Oils Inc. we would appreciate it if you would contact Mr. Winkle directly.

The additonal information you requested, sic. analysis of tank-bottoms, mixed with lime and sent to Land and Lakes landfill, may be obtained by contacting Mr. Ron Winkle of Custom Blended Oils Inc. The other point, that of "used carburetor cleaner" can best be answered by Mr. Ernie Winkle of Custom Blended Oils Inc.

CC: Mr. John L. Parker
Attorney
Mr. Ernest Winkle
File

Respectfully,

Bill Petrich

Bill Petrich
environmental services...

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF OIL ANALYSIS: E. & L. Tank Cleaners

Sample Submitted: 7/16/86
Results Reported: 7/23/86

PARAMETER	ILL. REC.	ATLAS	SWO	ILL. REC.	R. & S.	HOUSE	
Chlorine %		0.05	0.05	0.05	0.05	0.05	
Flashpoint, P.M.		200 F.	160 F.	150 F.	140 F.	183 F.	
ARSENIC		0.33	0.16	0.51	0.35	0.07	ppm
CADMIUM		1.19	1.59	1.96	1.00	1.34	ppm
CHROMIUM		2.31	1.58	1.79	1.79	1.26	ppm
LEAD	77.80	302*	307*	335*	175*	183*	

*Exceeds current standard for "Used Oil".

It is our recommendation that the oils that show excessive lead concentration, be down-blended with other oils containing lower levels to achieve compliance with current regulations for "Used OIl".

Thank you for this business.

Respectfully,

Mike Petrich

Mike Petrich
I.S.S.

July 1986 through December 1986

SAMPLE SOURCE: South West Oil Sample NO. 62

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point:	200 F	140 F
% Chlorides:	0.36 %	4,000 ppm
Arsenic:	.04 ppm	5.0 ppm
Cadmium:	1.58 ppm	2.0 ppm
Chromium (total):	2.90 ppm	10.0 ppm
Lead:	276.0 ppm *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive lead concentrations and needs to blended to meet the specifications set out for "Used Oil".

Independent Sampling and Services;

BY: Bill Petrich

SAMPLE SOURCE: South West Oil Sample NO. 62

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point: 200 F	140 F	140 F.
% Chlorides:		4,000 ppm
Arsenic:		5 ppm
Cadmium:		2 ppm
Chromium (total):		10 ppm
Lead:		100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive lead concentrations and needs to be down-blended to meet the specifications set out for "Used Oil".

Independent Sampling and Services;

BY: Bill Petrich

ADDITONAL ANALYSES: Viscosity SUS @ 100 F._____seconds. Sulfur_____

B.T.U._____Ash_____B.S.&W._____Gravity_____

SAMPLE SOURCE: R. & S. Waste Oil Sample No. 61

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point: 200 F.	140 F.	140 F.
% Chlorides:		4,000 ppm
Arsenic:		5 ppm
Cadmium:		2 ppm
Chromium (total):		10 ppm
Lead:		100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This material shows excessive lead concentrations, and should be do
blended for use in industrial boiler applications only.

Independent Sampling and Services;

BY: Bill Petrich

ADDITONAL ANALYSES: Viscosity SUS @ 100 F._____seconds. Sulfur_____

B.T.U._____Ash_____B.S.&W._____Gravity_____

SAMPLE SOURCE: R. & S. Waste Oil Sample No. 61

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point:	200 F.	140 F.
% Chlorides:	.05 %	4,000 ppm
Arsenic:	.04 ppm	5 ppm
Cadmium:	1.96 ppm	2.0 ppm
Chromium (total):	3.55 ppm	10 ppm
Lead:	301 ppm	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This material shows excessive lead concentrations, and should be dow blended for use in industrial boiler applications only.

Independent Sampling and Services;

BY: Bill Petrich

SAMPLE SOURCE: Illinois Recovery Co. Sample No. 63

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point:	200 F.	140 F.
% Chlorides:	.05 %	4,000 ppm
Arsenic:	.04 ppm	5.0 ppm
Cadmium:	1.78 ppm	2.0 ppm
Chromium (total):	3.26 ppm	10.0 ppm
Lead:	288 ppm *	100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive amounts of lead concentration and should be down-blended with other low lead fuels to an acceptable level.

Independent Sampling and Services;

BY: Bill Petrich

SAMPLE SOURCE: Illinois Recovery Co. Sample No. 63

SAMPLE SUBMITTED: 12/5/86

RESULTS SUBMITTED: 1/8/87

PARAMETER;	RESULT;	SPEC;
Flash Point: 200 F.	140 F.	140 F.
% Chlorides:		4,000 ppm
Arsenic:		5 ppm
Cadmium:		2 ppm
Chromium (total):		10 ppm
Lead:		100 ppm

*Exceeds current standard for "Used Oil":

DATA RESULTS ARE IN PARTS PER MILLION UNLESS OTHERWISE INDICATED;

COMMENTS: This oil shows excessive amounts of lead concentration and should be down-blended with other low lead fuels to an acceptable level.

Independent Sampling and Services;

BY: Bill Petrich

ADDITONAL ANALYSES: Viscosity SUS @ 100 F._____seconds. Sulfur_____

B.T.U._____Ash_____B.S.&W._____Gravity_____

E. W. SAYBOLT & CO., INC.

P. O. BOX 199
ARGO, ILLINOIS 60501
312-582-4714

LABORATORY ANALYSIS REPORT

OFFICE Argo

CUSTOMER REF. NO.:
DATE: 12-18-86

VESSEL/TANK(S): S/T 42-1
LABORATORY NO.: 2899
INVOICE NO.: (ID) 7527

DESCRIPTION

Sample designated as:
#6 Fuel Oil

Identifying Marks:
S/T 42-1 composite

Submitted by:
E. W. Saybolt & Co., Inc.

Client:
Allied Oil Co.

ANALYSIS

Gravity API @ 60°F ASTM D-287	12.0
Sulphur % WT. ASTM D-1552	.94%
Flash PM ASTM D-93	198°F
S & W % ASTM D-1796	.5%
Vis, (SFS @ 122°F) ASTM D-88	113.7
Pour Point ASTM D-97	50°

NOTES

- This laboratory report may not be published or used except in full. It shall not be used in connection with any form of advertising unless written consent is received from an officer of E. W. Saybolt & Co., Inc.
- Results were based on analysis made at the time samples were received at the laboratory.
- Samples, if any, shall be retained for a period of 45 days unless a longer period is requested in writing.
- Sample nomenclature is designated by the customer.

MEMBERS ASTM API SAE

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: House stock DATE 11/17/86

SAMPLE SUBMITTED: 11/2/86

RESULTS REPORTED: 11/15/86

PARAMETER	RESULT	SPEC.
Flash Point	200°	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	.04	5 ppm
CADMIUM	1.05	2 ppm
CHROMIUM (total)	1.31	10 ppm
LEAD	145	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS DF ANALYSIS: House Stock DATE 10/22/86

SAMPLE SUBMITTED: 10/17/86

RESULTS REPORTED: 10/22/86

PARAMETER	RESULT	SPEC.
Flash Point	158°	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.24	2 ppm
CHROMIUM (total)	3.11	10 ppm
LEAD	171.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: House Stock DATE 9/22/86

SAMPLE SUBMITTED: 9/17/86

RESULTS REPORTED: 9/22/86

PARAMETER	RESULT	SPEC.
Flash Point	200° F	140 F. or Greater
% Chlorine	0.05	4,000 ppm
ARSENIC	0.04	5 ppm
CADMIUM	1.71	2 ppm
CHROMIUM (total)	3.69	10 ppm
LEAD	96.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: DATE 9/2/86

House stock

SAMPLE SUBMITTED: 8/15/86

RESULTS REPORTED: 8/27/86

PARAMETER	RESULT	SPEC.
Flash Point	Greater than 200° F	140 F. or Greater
% Chlorine	Less than 0.05	4,000 ppm
ARSENIC	Less than 0.001	5 ppm
CADMIUM	0.70	2 ppm
CHROMIUM (total)	0.93	10 ppm
LEAD	173.0	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By Mike Petrich

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: B & D Oil DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	183 F.	140 F. or Greater
% Chlorine	<0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.265	2 ppm
CHROMIUM (total)	0.040	10 ppm
LEAD	8.39	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

March 1988 Through December 1988

COMMENTS:

Independent Sampling and Services: By Bill Petrin

INDEPENDENT SAMPLING AND SERVICES

P.O. BOX 822, 1551 WEST 187TH STREET, HOMEWOOD, ILLINOIS 60430 (312) 798-6383

RESULTS OF ANALYSIS: ILL Recovery DATE 3-8-88

SAMPLE SUBMITTED: 2-23-88

RESULTS REPORTED: 3-8-88

PARAMETER	RESULT	SPEC.
Flash Point	148 F.	140 F. or Greater
% Chlorine	< 0.05	4,000 ppm
ARSENIC	0.5	5 ppm
CADMIUM	0.750	2 ppm
CHROMIUM (total)	0.42	10 ppm
LEAD	67.8	100 ppm

*Exceeds current standard for "Used Oil"

DATA RESULTS IN PARTS PER MILLION UNLESS OTHER WISE INDICATED.

COMMENTS:

Independent Sampling and Services: By