JOB NO. 4427 BASF
BARGE: ETT-114 11/94

HER 03984

8000701

JOB WORKSCOPE/BREAKDOWN

JOB NO: 4427 CUSTOMER: BAST BARGE: ET-114

FOREMAN:	S/T	4	@ 36.00	$ 144.00
	O/T		@ 51.75	
LEADMAN:	S/T	8	@ 33.50	268.00
	O/T	2	@ 48.00	96.00
JOURNEY:	S/T	16	@ 31.00	496.00
	O/T	4	@ 44.25	177.00

2701-94

DISPOSAL: _____ gal @ .35

MATERIAL: 250.00 plus 20% 50.00 — 300.00

STOCK MATERIAL: _____ PLUS 20% _____

EQUIP:

COMPRESSOR	6	@ 44.00	264.00
AIR MOVERS	24	@ 5.00	120.00
FORKLIFT	1	@ 20.00	20.00
TUGBOAT		@ 80.00	
STEAM RIG		@ 80.00	
VACUUM	5	@ 18.00	90.00
HAND HOSE	2	@ 10.00	20.00
WELDING MACHINE		@ 15.00	
CHERRYPICKER		@ 50.00	
CRANE		@ 130.00	
FLATBED TRUCK		@ 20.00	
3" GAS PUMP		@ 14.00	
2" STRIPPING PUMP		@ 12.00	
BUTTERWORTH		@ 10.00	
4" ELECT PUMP		@ 15.00	
WORK BARGE		@ 35.00	
CUTTING RIG		@ 8.00	
HAUL OUT		@1100.00 / Day	

Clear

ARRIVED: 11/8 COMPLETED: 11/8 DEPARTED: _____

PRODUCT: _____ LOAD: _____

TOTAL INVOICE : 1995.00

HER 03985

HERCULES
MARINE SERVICE CORP.
FREEPORT, TEXAS

FOREMAN'S DAILY TIME REPORT

JOB NO 4427

DATE 11-8-94

CLASS NO

FTT= 110

DESCRIPTION OF WORK PERFORMED (BY FOREMAN)

BADGE NO	NAME	SETUP EQUIPMENT TO DEBALLAST BARGE	STRIP AND GROUT DK GAS FREE BARGE FOR REPAIRS											TOTAL HOURS
[illegible]	[illegible]	2/8												10
[illegible]	[illegible]	2/8												10
[illegible]														
[illegible]														
[illegible]	JOE [illegible]	2/8												10
[illegible]	[illegible]	/4												4
	TOTAL HOURS													34

HER 03986

SIGNED [illegible] FOREMAN

CODED AND EXTENDED BY

APPROVED BY

HERCULES
MARINE SERVICES CORPORATION

Strength through environmental awareness and customer service

P.O. Drawer O
Freeport, Texas 77541

Office (409) 233-6371
Fax. (409) 233-6375

	EQUIPMENT	HOURS USED	HOURLY RATE	TOTAL PRICE
1-	COMPRESSOR	6	44.00	
4-	AIR MOVERS 6 HRS. EA	24	5.00	
	VACUUM	5	20.00	
	BOILER		80.00	
	HAND HOSE	2 HR	10.00	
	BUTTERWORTH		10.00	
	2" STRIP PUMP		12.00	
	3" DIESEL PUMP		14.00	
	4" ELECT PUMP		15.00	
	CRANE		130.00	
	CHERRYPICKER		50.00	
	FORKLIFT	1 HR	20.00	
	TUG BOAT		80.00	
	WELD MACHINE		15.00	
	CUTTING RIG		8.00	
	WORK BARGE		35.00	
	HAUL OUT		1100.00	

DATE: 11-8-94 JOB NO: 4427 BARGE NAME: ETT-114

HER 03987

MARINE CHEMIST

Description

INDICATE ON THE VESSEL ETT
FREEPORT TEXAS ON 5 NOV

Total $250.00

$250.00

	31 - 60 days	61 - 90 days	Over 90 days
	$250.00	$0.00	$0.00

HER 03988

HERCULES
MARINE SERVICES CORPORATION
P. O. Drawer O • Freeport, Texas 77541

INVOICE NO. : 2701-94
DATE : Nov 18, 1994
Job No. : 4427-1
Location : Freeport Yard

TO: Basf
602 Copper Road
Freeport, Texas 77541

PLEASE REMIT PAYMENTS TO:
11011 RICHMOND
SUITE 500
HOUSTON, TX. 77042

Terms : Net 30

P. O. # F91392CB

FOR: Services to the barge ETT-114 as follows:

Set up equipment
Strip out all free product
Blow cargo pipeline and stripping system'
Vacuum blow dry cargo tanks
Sweep powder rust from tank floors
Wash and strip around engine and deck pump
Pressure test cargo pipeline to 40# psi
Clean off deck
Remove equipment
Close barge

Labor:	Foreman	4	@	36.00	$ 144.00
	Leadman	8	@	33.50	268.00
		2	@	48.00	96.00
	Journey	16	@	31.00	496.00
		4	@	44.25	177.00
Material:	250.00 + 50.00				300.00
Equip:					
	Compressor	6	@	44.00	264.00
	Air Movers	24	@	5.00	120.00
	Forklift	1	@	20.00	20.00
	Vacuum	5	@	18.00	90.00
	Hand Hose	2	@	10.00	20.00
				TOTAL AMOUNT DUE:	$1,995.00

Arrived: 11/8
Completed: 11/8

PHONE: (409) 233-6371

HER 03989

Strength through Experience, Equipment, Know-How

JOB NO. 4427 ETA

BARGE NO. ETT-114 DATE/TIME ARRIVAL 11-8-94

CUSTOMER BASF DATE/TIME STARTED 11-8-94

PRODUCT CYCLOHEXANE DATE/TIME COMPLETED

DISPOSAL AMOUNT AMOUNT STRIPPED

CLEANING INSTRUCTION BY: STRIP & BLOW DRY BY: M. HANNA

COMPLETION SCHEDULE BY: MARK HANNA

OVERTIME AUTHORIZED BY:

BARGE INSPECTED BY: Charlie Duarte DATE/TIME:

BARGE RELEASED TO: Brown water IV BABY DATE/TIME:

DECK PUMP PLUGS

DEEPWELL OPENED: YES ___ NO ___ CLOSED BY ___ NEW GASKET ___ YES ___ NO ___

BELOW DECK CARGO PIPELINE: BLIND OPEN YES Ø NO ___ CLOSED BY ___ NEW GASKET ___

CLOSE SYSTEM

DECK CHECK VALVE OPENED: YES ___ NO ___ CLOSED BY ___ NEW GASKET ___ YES ___ NO ___

DECK HEADER BLINDS OPEN: YES ✓ NO ___ CLOSED BY DUARTE NEW GASKET ___ YES ___ NO ✓

DECK HEADER DRAIN PLUG OPEN: YES ___ NO ✓ CLOSED BY ___

VAPOR RECOVERY HEADER OPENED: YES ✓ NO ___ CLOSED BY DUARTE NEW GASKET ___ YES ___ NO ✓

RUST SCALE: YES ___ NO ✓ WASHED OUT ___ BUCKETED OUT ___

NUMBER OF CARGO TANKS 3

CONDITION OF CARGO VALVES GOOD

SLOP TANK STRIPPED: YES N/A NO ___ PIPE PRESSURE TEST DATE: 11-8-94

DRIP PANS STRIPPED: YES ✓ NO ___

WEATHER: TEMP 85 RAIN ___ FOG ___ HUMIDITY ___ OVERCAST ___ CLOUDY ___ CLEAR ✓

PIPELINE WASHED: NO PIPELINE BLOWN YES PIPELINE SUMPS INSPECTED DUARTE

BOW RAKE CHECKED: YES ✓ NO ___ STERN RAKE: YES ✓ NO ___

VOIDS: YES ✓ NO ___ SAFETY EQUIPMENT USED: ___

****

WORK SCOPE

SETUP EQUIPMENT
STRIP OUT ALL FREE PRODUCT
BLOW CARGO PIPE LINE & STRIPPING SYSTEM
VACUUM BLOW DRY CARGO TANKS
SWEEP POWDER RUST FROM TANK FLOORS
WASH & STRIP AROUND ENGINE & DECK PUMP
PRESSURE TEST CARGO PIPELINE TO 40 PSI
CLEAN OFF DECK
REMOVE EQUIPMENT
CLOSE BARGE

HER 03990

HERCULES OFFSHORE CORPORATION
MARINE DIVISION
JOB COST WORKSHEET

Job #: 4427 — Invoice #:
Date Started: November 8, 1994 — Date Finished: November 8, 1994
Job Type: CLEANING
Customer: BASF — Barge Name/#: ETT-114

Estimated Materials :		TOTAL Materials :	250.00
Estimated Labor :		TOTAL Labor :	579.05
Estimated Waste Water :		TOTAL Waste Water :	0.00
Total Estimated Cost :	0.00	TOTAL JOB COST :	829.05
		AMOUNT BILLED :	1,995.00
		PROFIT/(LOSS) :	1,165.95

WASTE WATER DISPOSAL

# of Gallons: x $ 0.35 per gallon = $: 0.00

MATERIALS

Invoice #	Vendor	P.O. #	Amount
HER1011A	ERIC MOORE	B9884	250.00

MATERIALS con't

Invoice #	Vendor	P.O. #	Amount

TOTAL MATERIALS 250.00

LABOR HOURS

Emp#	Employee Name	Init	Pay1	Hours	Total	Pay2	Hours	Total
179	DUARTE	C						
272	RIVERA	J						
40	OLIVAREZ	J						
25	JACKSON	J						
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00

LABOR HOURS con't

Emp#	Employee Name	Init	Pay1	Hours	Total	Pay2	Hours	Total
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
					0.00			0.00
TOTAL								

HER 03991

HERCULES
MARINE SERVICES CORPORATION

PURCHASE ORDER

P.M. NO.	4427-89884
VENDOR	Eric Moore
TERMS	30
F.O.B.	Yard
VIA	
SHIP DATE	11/8/94

8	DATE 11/8/94	REQ. NO.	
MATERIAL REQ'D.		PREPARED BY: Sylvia	
NOTIFY:		DELIVER TO: Marine	
REQUIRED FOR EIT-114			
DATE RECEIVED 1.	DATE RECEIVED 2.	DATE RECEIVED 3.	

ITEM	QUANTITY ORDERED	QUANTITY RECEIVED	SHIP. NO.	DESCRIPTION — FULL DETAIL REQUIRED	COST CODE		UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	1			marine chemist	85	11			250.00		
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

RECEIVED BY:	APPROVED BY Jimmy C Jackson	TOTALS			
DATE RECEIVED	APPROVED BY	BUYER / DATE	/	/	

HER 03992

HAZARDS COMMUNICATION STANDARD

OSHA 1910.1200

EMPLOYEE HAZARDOUS MATERIALS TRAINING PROGRAM

Date 11-8-94 Supervisor _____

Plant HERCULES Client Safety _____

Area GAS-FREE DOCK
ETT-114

The following listed materials are considered to be hazardous to the employees working in this area:

CYCLOHEXANE

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure. I have received the training listed above and will so designate by signing this form.

NAME	BADGE	NAME	BADGE
[illegible]	179		
[illegible]	272		
[illegible]	[illegible]		
Jimmy C. Jackson			

HER 03993

CYCLOHEXANE, 98%

DANGER!

EXTREMELY FLAMMABLE - VAPORS MAY IGNITE EXPLOSIVELY. POSSIBLE ASPIRATION HAZARD.

DANGER: CONTAINS BENZENE - CANCER HAZARD. Benzene is a known human carcinogen - overexposure may create cancer risk, blood changes or chromosome changes. Benzene has caused fetal death in animals.

PRECAUTIONS:

Keep away from heat, sparks and flame. Keep container closed. Use with adequate ventilation. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Launder contaminated clothing before reuse. Do not swallow. May be aspirated into the lungs.

FIRST AID

In case of contact, flush eyes with water. Flush skin with water for 15 minutes. If inhaled, remove from exposure. If breathing is difficult, give oxygen, seek medical attention. If swallowed, do not induce vomiting. Seek immediate medical assistance. NOTE TO PHYSICIAN: Gastric lavage using a cuffed endotracheal tube may be performed at your discretion.

FOR ADDITIONAL INFORMATION, SEE MATERIAL SAFETY DATA SHEET.

MANUFACTURED BY
PHILLIPS 66 COMPANY
A SUBSIDIARY OF PHILLIPS PETROLEUM COMPANY
BARTLESVILLE, OK 74004
UNITED STATES OF AMERICA

FORM 12503-S 12-89

May 28, 1993

USA and WORLDWIDE

Material Safety Data Sheet

CYCLOHEXANE (98.0%)

PHILLIPS 66 COMPANY
A Division of Phillips Petroleum Company
Bartlesville, Oklahoma 74004

PHONE NUMBERS
Emergency: (918) 661-8118
General MSDS Information: (918) 661-8327
For Additional MSDSs: (918) 661-5952

A. Product Identification

Synonyms: Not Established
Chemical Name: Cyclohexane
Chemical Family: Cycloparaffinic hydrocarbon
Chemical Formula: C_6H_{12}
CAS Reg. No.: 110-82-7
Product No.: N24900, 000030, 000019

Product and/or Components Entered on EPA's TSCA Inventory: YES

This product is in U.S. commerce, and is listed in the Toxic Substances Control Act (TSCA) Inventory of Chemicals; hence, it may be subject to applicable TSCA provisions and restrictions.

B. Components

Ingredients	CAS Number	% By Wt.	OSHA PEL	ACGIH TLV
Cyclohexane	110-82-7	> 98.0	300 ppm	300 ppm
Methylcyclopentanes	Various	< 0.1	NE	NE
Methylhexanes	Various	< 0.2	NE	NE
Dimethylcyclopentanes	Various	< 0.8	NE	NE

NA - Not Applicable NE - Not Established

C. Personal Protection Information

Ventilation: Use adequate ventilation to control concentration below recommended exposure limits.

Respiratory Protection: For concentrations exceeding the recommended exposure limit, use NIOSH/MSHA approved air purifying respirator. In case of spill or leak resulting in unknown concentration, use NIOSH/MSHA approved supplied air respirator. If conditions immediately dangerous to life or health (IDLH) exist, use NIOSH/MSHA approved self-contained breathing apparatus (SCBA) equipment.

Eye Protection: For splash protection, use chemical goggles and face shield.

Skin Protection: Use full-body, long-sleeved garments resistant to the material to prevent skin contact. (Polyvinyl alcohol or Buna-N).

NOTE: Personal protection information shown in Section C is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

D. Handling and Storage Precautions Avoid contact with eyes, skin or

clothing. Avoid breathing vapors, mist, fume or dust. Do not swallow. May be aspirated into lungs. Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Wash thoroughly after handling. Launder contaminated clothing before reuse. Use with adequate ventilation.

Store in a well-ventilated area. Keep away from heat, sparks, and flames. Store in tightly closed container. Bond and ground during transfer.

E. Reactivity Data

Stability: Stable
Conditions to Avoid: Not Applicable
Incompatibility (Materials to Avoid): Oxygen and strong oxidizing agents.

Hazardous Polymerization: Will Not Occur
Conditions to Avoid: Not Applicable
Hazardous Decomposition Products: Carbon oxides formed when burned.

F. Health Hazard Data

Recommended Exposure Limits:

See Section B.

Acute Effects of Overexposure:

Eye: Contact with the liquid or high vapor concentrations may cause mild eye irritation including redness, swelling of mucous membranes and tearing.

Skin: Repeated or prolonged contact may defat skin, resulting in redness, swelling, pain or thickening. Prolonged exposure to high vapor concentrations may cause mild mucous membrane irritation. The dermal LD50 (rabbit) for cyclohexane is greater than 5 g/kg.

Inhalation: High vapor concentrations may cause dizziness, excitement, hyperactivity, rapid breathing, difficulty breathing, fatigue, headache, incoordination, tremors, nausea, and respiratory irritation. Extreme exposures may cause anesthesia, unconsciousness and death. The inhalation LC50 (rats) for cyclohexane is greater than 4044.17 ppm.

Ingestion: May cause gastrointestinal tract irritation, increased respiratory rate, fatigue, nausea, and drowsiness. If swallowed, may be aspirated resulting in inflammation and possible fluid accumulation in the lungs. The oral LD50 (rats) for cyclohexane is greater than 2 g/kg.

Subchronic and Chronic Effects of Overexposure:

Rabbits exposed eight hours per day, for forty days, to 762-6296 ppm cyclohexane showed no significant target organ effects (kidney, liver, heart, lungs, spleen, adrenals, intestines or brain).

Other Health Effects:

Cyclohexane was negative in the AMES, Mouse Lymphoma, Sister Chromatid Exchange and Rat Bone Marrow Cytogenic Mutation Assays. A positive result was obtained in the DNA Damage assay in E. Coli at 10 micromol/liter.

A Toxicity Study Summary for Cyclohexane is available upon request.

Health Hazard Categories:

	Animal	Human		Animal	Human
Known Carcinogen	___	___	Toxic	___	___
Suspect Carcinogen	___	___	Corrosive	___	___
Mutagen	___	___	Irritant	___	___
Teratogen	___	___	Target Organ Toxin	_X_	_X_
Allergic Sensitizer	___	___	Specify - Lung-Aspiration Hazard		
Highly Toxic	___	___			

HER 03997

First Aid and Emergency Procedures:

Eye: Flush eyes with running water for at least fifteen minutes. If irritation or adverse symptoms develop, seek medical attention.

Skin: Wash skin with soap and water for at least fifteen minutes. If irritation or adverse symptoms develop, seek medical attention.

Inhalation: Remove from exposure. If breathing is difficult, give oxygen. If breathing ceases, administer artificial respiration followed by oxygen. Seek immediate medical attention.

Ingestion: Do not induce vomiting. Seek immediate medical attention.

Note to Physician: Gastric lavage using a cuffed endotracheal tube may be performed at your discretion.

G. Physical Data

Appearance:	Colorless liquid
Odor:	Mild
Boiling Point:	174F (79C)
Vapor Pressure:	3.4 psia at 100F (37.8C)
Vapor Density (Air = 1):	approx. 3.0
Solubility in Water:	Negligible
Specific Gravity (H2O = 1):	0.781 at 60/60F (15.6/15.6C)
Percent Volatile by Volume:	100
Evaporation Rate (Butyl Acetate = 1):	> 1
Viscosity:	0.4 cSt @ 100F (37.8C)

H. Fire and Explosion Data

Flash Point (Method Used):	-4F (-20C)(TCC, ASTM D56)
Flammable Limits (% by Volume in Air):	LEL - 1.3 UEL - 8.0
Fire Extinguishing Media:	Dry chemical, foam or carbon dioxide (CO2)
Special Fire Fighting Procedures:	Evacuate area of all unnecessary personnel. Wear appropriate safety equipment for fire conditions including NIOSH/MSHA(1) selfcontained breathing apparatus (SCBA). Shut off source if possible. Water fog or spray may be used to cool exposed containers and equipment. Do not spray water directly on fire - product will float and could be reignited on surface of water.
Fire and Explosion Hazards:	Carbon oxides formed when burned. Highly flammable vapors which are heavier than air may accumulate in low areas and/or spread along ground away from handling site. Flash back along vapor trail is possible.

I. Spill, Leak and Disposal Procedures

Precautions Required if Material is Released or Spilled:
Evacuate area of all unnecessary personnel. Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Shut off source if possible and contain spill. Protect from ignition. Keep out of water sources and sewers. Absorb in dry, inert material (sand, clay, etc.). Transfer to disposal drums using non-sparking equipment.

Waste Disposal (Insure Conformity with all Applicable Disposal Regulations):
Incinerate or otherwise manage in a RCRA permitted waste management facility.

J. DOT Transportation

Shipping Name:	Cyclohexane
Hazard Class:	3 (Flammable liquid)
ID Number:	UN 1145
Packing Group:	II
Marking:	Cyclohexane, UN 1145
Label:	Flammable liquid
Placard:	Flammable/1145
Hazardous Substance/RQ:	Cyclohexane/1000#
Shipping Description:	Cyclohexane, 3 (Flammable liquid), UN 1145, PG II, RQ*
Packaging References:	49 CFR 173.150, 173.202, 173.242

* Enter the letters "RQ" as shown only if the hazardous substance is present in a quantity, in one package, which equals or exceeds the reportable quant (RQ) shown for the hazardous substance.

K. RCRA Classification - Unadulterated Product as a Waste

Ignitable (D001)

Prior to disposal, consult your environmental contact to determine if TCLP (Toxicity Characteristic Leaching Procedure, EPA Test Method 1311) is required. Reference 40 CFR Part 261.

L. Protection Required for Work on Contaminated Equipment

Contact immediate supervisor for specific instructions before work is initiated. Wear protective equipment and/or garments described in Section C if exposure conditions warrant.

M. Hazard Classification

_X_ This product meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200):

___ Combustible Liquid	___ Flammable Aerosol	___ Oxidizer
___ Compressed Gas	___ Explosive	___ Pyrophoric
___ Flammable Gas	_X_ Health Hazard (Section F)	___ Unstable
_X_ Flammable Liquid	___ Organic Peroxide	___ Water Reactive
___ Flammable Solid		

___ Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

HER 03999

N. *Additional Comments*

SARA 313

This product contains the following chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. (See Section B).

Cyclohexane

Phillips Petroleum Company (references to Phillips Petroleum Company or Phillips includes it's divisions, affiliates and subsidiaries) believes that the information contained herein (including data and statements) is accurate as of the date hereof. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE AS CONCERNS THE INFORMATION HEREIN PROVIDED. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use of the product and information referred to herein are beyond the control of Phillips, Phillips expressly disclaims any and all liability as to any results obtained or arising from any use of the product or such information. No statement made herein shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents.

MARINE CHEMIST CERTIFICATE

SERIAL NO. G 16238

[redacted]

[redacted]	HER Vessel Owner or Agent	8 NOV 94 Date
[redacted]	TANK BARGE Type of Vessel	HERCULES Specific Location of Vessel
[redacted]	LEL 0 - VISUAL Tests Performed	1600 Time Survey Completed

CARGO TANKS No 1 2 3

WING TANKS No 1 2 3 4 - PORT

SAFE FOR WORKERS

[redacted]

BOW RAKE

STERN BOX

ATMOSPHERIC TEST 20.8% O_2

0% LEL

PROVIDE VENTILATION DURING MEN IN BY WORKERS

[redacted]

HER 04001

[redacted]

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted.

CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed _____ Name _____ Company _____ Date

Signed _____ Marine Chemist _____ Certificate No. _____

NOTE THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

Printed in U.S.A.

HERCULES OFFSHORE CO.

INVOICE NO. _____

MARINE REPAIR
ORDER No. 4427

MARINE OPERATIONS FACILITY

CUSTOMER P.O. _____

DATE	
ORDER WRITTEN	11-8-94
ETA	
ARRIVAL	11-8-94
COMPLETION DATE	11-8-94
DEPARTURE DATE	

CUSTOMER	
NAME	BMST
BILLING ADDRESS	
CITY AND STATE	
PHONE NUMBER	238-6161

M/V ☐ BARGE ☐

NAME: ET-114

LOA: | WIDTH:

FOREMAN: J Jackson

LAST PRODUCT: Cyclo

GAS FREEING YES ☐ NO ☐ CERTIFICATE REQUIRED YES ☐ NO ☐

HAUL OUT FOR INSPECTION AND REPAIR YES ☐ NO ☐

ON WAYS DATE: _____

ON WAYS DATE: _____

WORK AUTHORIZED BY: Mark

O/T AUTHORIZED BY:

STOCK MATERIAL ☐ YES ☐ NO

IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET

OUTSIDE SERVICES IF YES, LIST ☐ YES ☐ NO

ITEM NUMBERS

1 De-Ballast, Clean, Strip Blow Dry

2 Check - Bow - left hand side

3

4

5

6

7

8

9

10

4427-8884 Moore

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: _____ Date: _____

HER 04002

HERCULES OFFSHORE CO.

INVOICE NO. _____

MARINE REPAIR ORDER No. 4427

MARINE OPERATIONS FACILITY

CUSTOMER P.O. _____

DATE

ORDER WRITTEN	11-8-94
ETA	
ARRIVAL	11-8-94
COMPLETION DATE	11-8-94
DEPARTURE DATE	

M/V ☐ BARGE ☐

NAME: ETT-114

LOA: | WIDTH:

FOREMAN: J. Jackson

LAST PRODUCT: Cyclo

GAS FREEING YES ☒ NO ☐ CERTIFICATE REQUIRED YES ☐ NO ☐

HAUL OUT FOR INSPECTION AND REPAIR YES ☐ NO ☐

ON WAYS DATE: _____

ON WAYS DATE: _____

CUSTOMER

NAME	BASF
BILLING ADDRESS	
CITY AND STATE	
PHONE NUMBER	238-6161

WORK AUTHORIZED BY: MARK | O/V AUTHORIZED BY:

STOCK MATERIAL ☐ YES ☐ NO

IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET

OUTSIDE SERVICES IF YES, LIST ☐ YES ☐ NO

ITEM NUMBERS

1 De-BALLAST, Clean, Strip Blow Dry

2 Check - Bow - left hand side

3

4

5

6

7

8

9

10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: _____ Date: _____

HER 04003