2 Williams Street
Chelsea, MA 02150
(617) 889 - 6515

INSPECTORATE

QUALITY CERTIFICATE

Vessel	"New Hampshire"	Port	New Bedford, MA	Report	121606
Customer	Sprague Energy	Date	December 9, 2006	Reference	
Operation	Analysis	Terminal	Sprague New Bedford	Sample #	1134055

Name of material being tested	No 6 Fuel Oil
Description of sample source	Shore Tanks #3 After Discharge
Samples Drawn by (company)	Inspectorate
Samples Tested by (company)	Inspectorate

Tests being Performed	Test method	Sample Results
Gravity API @ 60F / Denisty	D - 4052	11.9 / 0.9867
Flash Point, PMCC, F	D - 93	204
Viscosity cSt @ 104F	D - 445	371.3
Viscosity SSF @ 122F	D - 2161	175.3
Pour Point C / F	D - 97	0 / 32
Sulfur , Wt%	D - 4294	0.866
Water and Sediment, Vol %	D - 1796	0.01
Sediment by Extraction, wt%	D - 473	0.07
Water by Distillation, Vol%	D - 95	0.1
Gross Heat of Combustion, BTU / lb	D - 240	18,494
Gross Heat of Combustion, BTU / gal	D - 240	151,978
Ash, wt %	D - 482	0.03
Vanadium, ppm	D - 5863B	19
Sodium, ppm	D - 5863B	5
Nitrogen, wt%	D - 5762	0.42
Ashphaltenes, wt%	IP - 143	1.15
Conradson Carbon Residue	D - 189	6.59

SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.

** Annotates Analysis Contracted Out

*** Annotates Loadport information- this test was not performed by Inspectorate

Michael White