INSPECTORATE
ISO 9001:2000 Certified

Certificate of Analysis

Vessel / Shore Tank :	**Tank 7**	Sample Submitted By :	IAC Portland
Product :	**#6 Fuel Oil**	Analysis Performed By :	IAC Portland
Client Reference :		Date Sampled :	18-Oct-2008
Terminal / Port / Office :	SPRAGUE ROLLING MILLS	Date Reported :	20-Oct-2008
Job ID :	0020-0000885	Submission ID :	2008-020-01109
Sample Details :	After "Asphalt Sailor"		
Comments :			

	Sample Number	2008-020-01109-013	
Method	Test	**Result**	**Specification**
ASTM D287	API Gravity, ° API-U,M,L Calc Avg	9.9	10 Min
ASTM D1250	Density at 15°C	1.0001	
ASTM D95	Water, % (v/v)	0.00	1 Max
ASTM D93 Proc. B	Manual / Automated	Automatic	
	Flash Point, ° C / ° F	103.5 / 218	150 Min (F)
ASTM D97	Pour Point, ° C / ° F	-3 / 27	60 Max (F)
ASTM D2161	Test Temperature, ° F	122	
	Saybolt Furol Seconds, sec-	185.8	75-300
ASTM D445	Kinematic Viscosity, cSt-U,M,L, Calc Avg	393.7	
ASTM D482	Ash Content, mass %	0.0370	0.1 Max
ASTM D473	Sediment Content, mass % / vol %	<0.01 / <0.01	0.1 Max
IP 470	Aluminum, ppm (mg/kg)	20	
	Silicon, ppm (mg/kg)	26	
	Sodium, ppm (mg/kg)	92	60 Max
	Vanadium, ppm (mg/kg)	21	300 Max
ASTM D240	Gross Heat of Combustion Unit Conversion, BTU/l	18582 / 154862	
ASTM D1796	Water and Sediment, % (v/v)	0.050	1.0 Max
ASTM D4530	Carbon Residue, % (m/m)	9.9	21 Max
ASTM D4294	Sulfur Content, mass %-U,M,L Calc Avg	1.37	2.00 Max
ASTM D6560	Asphaltenes, % (m/m)	1.8	14 Max
ASTM D287	API Gravity, ° API		
	Upper	9.9	
	Middle	9.9	
	Lower	9.9	
ASTM D445	Kinematic Viscosity, cSt		
	Upper	397.7	
	Middle	390.3	
	Lower	393.1	
ASTM D4294	Sulfur Content, mass %		
	Upper	1.37	
	Middle	1.37	
	Lower	1.37	

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 REPORT/ANALYSIS.

For Inspectorate: Signature On File

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