Inspectorate America
33 Rigby Road
South Portland, Maine 04106
(207)767-1711

INSPECTORATE

QUALITY CERTIFICATE

Vessel	**E11104**	**Port**	**SEARSPORT, ME.**	**Report**	**SP/06/0912**
Customer	**SPRAGUE**	**Date**	**September 21, 2006**	**Ref. No.**	**V-06-01315**
Operation	**ANALYSIS**	**Terminal**	**SPRAGUE**	**Sample #**	**AS BELOW**

Material being tested — **#6 FUEL OIL (2.00%)**

Description of sample source — **SHORE TANK U,M,L COMPOSITE**

Samples Drawn by (company) — **INSPECTORATE AMERICA**

Samples Tested by (company) — **INSPECTORATE AMERICA**

Tests being Performed	Test method	Minimum	Maximum	Sample Result 844455 TK # 3	Sample Result 844453 TK # 4
API Gravity @60/F Calculated Average	D-5002	10		11.8	11.3
Sulphur, %wt Calculated Average	D-4294		2.00	1.16	1.37
Viscosity, CST @ 50C Calculated Average	D-445			381	310
Viscosity, SSF @ 122F Calculated Average	D-445/2161	75	300	180.0	146.2
Water by Distillation, Vol %	D-95		1.0	0	0.1
Sediment by Extraction, Wt %	D-473		0.1	0.04	<0.01
Water & Sediment, Vol %	D-1796		1.0	0.1	0.1
Flash Pt/F	D-93 B	150		212+	212+
Ash, %wt	D-482		0.1	0.051	0.047
Vanadium, ppm	IP-470		300	45	65
Sodium, ppm	IP-470		60	20	12
Nitrogen, Wt %	D-5762		0.55	0.3795	0.3602
Heat Of Combustion, Per Pound	D-240	Report		18428	18328
Heat Of Combustion, Per Gallon	Conversion	Report		151552	151243
Asphaltenes, Wt %	IP-143		14	3.92	2.80
Carbon Residue, % wt	D-4530		21	10.5	10.8
Pour Point,F	D-97		60	+26.6	+26.6
Apl Gravity @60/F Upper Tag # 258261 / 258264	D-4052	10		12.1	11.3
Middle Tag # 258262 / 258265				12.0	11.3
Lower Tag # 258263 / 258266				11.2	11.3
Sulphur, %wt Upper Tag # 258261 / 258264	D-4294		2.00	1.33	1.36
Middle Tag # 258262 / 258265				1.33	1.37
Lower Tag # 258263 / 258266				0.820	1.37
Viscosity, SSF @ 122F Upper Tag# 258261/258264	D-445/2161	75	300	176.5	142.6
Middle Tag# 258262/258265				174.2	148.3
Lower Tag # 258263/258266				189.3	147.8

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DENNIS E. CURTIS
Inspectorate America So Portland, Me