✓ file

SGS

This is an amended analysis report for viscosity.

ROSALIE RUFFINO - SPRAGUE ENERGY (V-03-1114)

ANALYTICAL REPORT NO: 440603/ P41301783

SHORE TANK # 1 (AFTER DISCHARGE T/V BALTIC CHIEF)
SPRAGUE ENERGY, PORTSMOUTH, NH
 # 6 FUEL OIL ON JUNE 22, 2003

TESTS	METHODS	RESULTS
GRAVITY, API @ 60 DEG F.	ASTM D 4052	10.0
FLASH POINT, F	ASTM D 93	>200
SEDIMENT & WATER, VOL. %	ASTM D 1796	0.4
SEDIMENT BY EXTRACTION, WT. %	ASTM D 473	0.08
VISCOSITY, @ 122 F, SFS/CST	ASTM D 445	159.4/337.6
POUR POINT, C	ASTM D 97	+3
SULFUR, WT. %	ASTM D 4294	1.21
ASH, WT. %	ASTM D 482	0.07
GROSS BTU, LB. / GAL.	CALCULATED	18,185/151,445
NITROGEN, WT. %	ASTM D 5762	0.31
ASPHALTENES, WT. %	IP 143	2.0
CONRADSON CARBON RES. WT. %	ASTM D 189	8.3
WATER BY DISTILLATION, VOL. %	ASTM D 95	0.6
SODIUM, PPM WT.	ASTM D 5863	22
VANADIUM, PPM WT.	ASTM D 5863	25

SGS OIL, GAS & CHEMICALS
BOSTON - JUNE 23, 2003

JEFFREY L. SEELEY

THE ATTACHED CERTIFICATE REPRESENTS THE PRODUCT INSPECTED BY THE INSPECTION SERVICE ON THE DATE STATED ON THE CERTIFICATE IN THE TANK STATED BY THE INSPECTION SERVICE. SPRAGUE REPRESENTS THAT ANY PRODUCT IT MAY SELL AT THE RACK MAY DIFFER FROM SUCH INSPECTION CERTIFICATE BUT SUCH PRODUCT SHALL MEET THE SPECIFICATIONS AS MAY BE REQUIRED BY ANY APPLICABLE REGULATIONS WITHIN THE STATE THAT THE PRODUCT IS SOLD.

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