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To Whom It May Concern

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Report no. 10901/5646A.00.I/11
 Report date 06-Sep-11
 Object ~~Ballast/Water~~
 Product Fuel Oil
 Location Marsaxlokk, Oiltanking

ANALYSIS REPORT

Sample submitted as Fuel Oil
 Received Sampled by Saybolt Inspector
 Marked Product representing Shoretank 322
 Date of sampling 26/Aug/2011
 Testing completed 06/Sep/2011
 Sealed Saybolt
 Lab number 5047/11

Test	Unit	Method	Specification	Result	
				Prefix	Figure
Density at 15°C	kg/l	ASTM D4052-09	0.995 MX		0.9975
Sulphur	mass%	ASTM D2622-10	0.7 MX		0.696
Flash point (Pensky Martin)	°C	ASTM D93/B-10	65 MIN		87.0
Pour point	°C	ASTM D97	30 MX		0
Ash	mass%	ASTM D482	0.10 MX		0.028
Water by distillation	vol%	ASTM D95	1.0 MX		0.30
Sediments by extraction	mass%	ASTM D473	0.15 MX		0.05
Viscosity at 50°C	cst	ASTM D445-09	400 MX		105.2
Ramsbottom carbon residue	mass%	Calculation	12 MX		9.8
Stability		ASTM D4740	2 MX		1
Asphaltenes	mass%	IP 143	7.0 MX		6.9
Hot filtration existent	mass%	IP 375	0.10 MX		0.04
Vanadium	ppm	ASTM D5863/B	100 MX		21
Nickel	ppm	ASTM D5863/B	Report		25
Aluminium + Silicon	ppm	IP 377	Report		22
Sodium	ppm	ASTM D5863/B	40 MX		40
Carbon	mass%	ASTM D5291	Report		87.9
Hydrogen	mass%	ASTM D5291	Report		11.8
Nitrogen	mass%	ASTM D3228	Report		0.34
Calorific value net	cal/g	ASTM D4868	9650 MIN		9667
Chromium (+)	mg/kg	AAS	Report	Below	1
Arsenic (+)	µg/kg	AAS	Report		260

Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (except for analysis of RFG) and IP 367 with respect to the utilization of test data to determine conformance with specifications.

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Remarks

(+) Performed by Saybolt Netherland.
 The results are referred to the tested sample.

An NAB-MALTA accredited testing laboratory Reg No 007. Tests accredited are :
 Density at 15 deg C by ASTM D4052-09
 Sulphur by ASTM D2622-10
 Viscosity at 50 deg C by ASTM D445-11

Estimated expanded uncertainty U with coverage factor=2, corresponding to level of probability of about 95%.
 Sampling performed according to ASTM D4057.

(*) Parameter out of prescribed limits with respect to supplied specifications.