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Saybolt
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FAST TO THE POINT.

Enemalla Corporation - Petroleum Division
1st March 1979 Installation,
Sacred Promenade,
B'Bugia
Eng.P. Borg

Report no. 10901/5818A.01.I/11
Report date 07/Oct/2011
Object VULCANELLO M
Product Unleaded Gasoline
Location MARSAXLOKK, MALTA, 31st March 1979 Installation



ANALYSIS REPORT

Sample submitted as Unleaded Gasoline
Received Sampled by Saybolt Inspector
Marked Shoretank 9 single tank composite after discharge M/T 'Vulcanello M'
Date of sampling 05/Oct/2011
Testing completed 07/Oct/2011
Sealed Saybolt
Lab number 5728/11

Test	Unit	Method	Specification	Result	
				Prefix	Figure
Appearance		Visual	Clear and bright	Clear and bright	
Benzene	vol%	EN 238	1.0 MX		0.61
Copper Corrosion (3hrs at 50°C)		ASTM D130	1 MX	1A	
Density at 15°C	kg/l	ASTM D4052-09	0.720 - 0.775		0.7352
Gums existent	mg/100ml	ASTM D381	5 MX		0.5
Oxidation Stability	mins	ASTM D525	360 MIN	Above	360
Lead content	g/l	ASTM D3237	0.005 MX	Below	0.001
M.O.N.		ASTM D2700	85.0 MIN		85.2
Distillation		ASTM D86			
- iBP	°C		Report		31.8
- 10% recovered	°C		Report		50.4
- 50% recovered	°C		Report		98.1
- 90% recovered	°C		Report		155.2
- FBP	°C		210.0 MX		184.5
- Residue	vol%		2.0 MX		0.2
- Evaporated at 70°C	vol%		22.0 - 50.0		29.7
- Evaporated at 100°C	vol%		46.0 - 71.0		52.8
- Evaporated at 150°C	vol%		75.0 MIN		89.0
R.V.P at 100°F - DVPE	kPa	ASTM D5191	50.0 - 80.0		78.5
R.O.N		ASTM D2699	95.0 MIN		95.2
Sulphur (*)	mass%	ASTM D2622-08	0.001 MX		0.0013
Aromatics	vol%	ASTM D1319	35.0 MX		30.7
Olefins	vol%	ASTM D1319	18.0 MX		8.1
Methanol	vol%	ASTM D5599	3 MX	Below	0.01
Ethanol	vol%	ASTM D5599	5 MX	Below	0.01
Iso-propyl alcohol	vol%	ASTM D5599	10 MX	Below	0.01
Iso-butyl alcohol	vol%	ASTM D5599	10 MX	Below	0.01
Tert-Butyl alcohol	vol%	ASTM D5599	7 MX	Below	0.01
MTBE	vol%	ASTM D5599	15 MX	Below	0.01
Other ethers containing above 5 C atoms	vol%	ASTM D5599		Below	0.01
Other oxygenates	vol%	ASTM D5599	10 MX	Below	0.01
Total oxygen	mass%	ASTM D5599	2.7 MX	Below	0.1

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.

This report is issued in accordance with the General Terms and Conditions of Saybolt Malta Ltd. and the recipient is deemed to have full knowledge thereof.

Remarks
The results are referred to the tested sample.

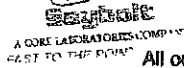
An NAB-MALTA accredited testing laboratory Reg No 007. Tests accredited are :
Density at 15 deg C by ASTM D4052-09
Sulphur by ASTM D2622-10
Viscosity at 50 deg C by ASTM D445-11

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 EN228 specifications as supplied by Messrs. Enemalla

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SHAWN ZAMMIT
Scheduler Manager

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A CORE LABORATORIES COMPANY
FAST TO THE POINT
All our activities are carried out under our general terms and conditions.
Registry of Partnership C14245
VAT Registration Number: MT1235-4325

Eng. Malta Corporation - Petroleum Division
 31st March 1979 Installation,
 Sacred Promenade,
 B'Bugia
 Eng.P. Borg

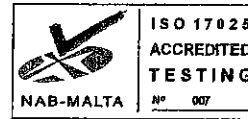
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FAST TO THE POINT.

Report no. 10901/5818A.01.I/11
 Report date 10/Oct/2011
 Object VULCANELLO M
 Product Unleaded Gasoline
 Location MARSAXLOKK, MALTA, 31st March 1979 Installation



ANALYSIS REPORT

Sample submitted as Unleaded Gasoline
 Received Sampled by Saybolt Inspector
 Marked Shoretank 10 single tank composite after discharge M/T 'Vulcanello M'
 Date of sampling 05/Oct/2011
 Testing completed 10/Oct/2011
 Sealed Saybolt
 Lab number 5736/11

Test	Unit	Method	Specification	Result	
				Prefix	Figure
Sulphur	mass %	ASTM D2622-10	0.0010 MX		0.0010

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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 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.

All our activities are carried out under the terms lodged at the arrondissementrechtbank (Country Court) in Rotterdam, The Netherlands

S. SHAWA ZAMMIT
 Scheduler Manager

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 Location MARSAXLOKK, MALTA, 31st March 1979 Installation



ANALYSIS REPORT

Sample submitted as Unleaded Gasoline
 Received Sampled by Saybolt Inspector
 Marked Shoretank 7 single tank composite after discharge M/T 'Vulcanello M'
 Date of sampling 05/Oct/2011
 Testing completed 10/Oct/2011
 Sealed Saybolt
 Lab number 5732/11

Test	Unit	Method	Specification	Result	
				Prefix	Figure
Sulphur	mass %	ASTM D2622-10	0.0010 MX		0.0010

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