

GEO-CHEM MIDDLE EAST

جيو - كيم ميديل ايسٽ



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## CERTIFICATE OF QUALITY

Product	: GASOIL	Report No.	: GCF/LR/52247/15
Location	: FUJAIRAH, U.A.E.	Sample No	: GCF/52247/15
Sample Desc.	: Gasoil Blend	Inspection No	: GCF/INS/1754/15
	: AOT TK. 12 (19644 MT)-wt. %-72.4	Date Received	: 29/09/2015
	: MT. PVT SEA LION(7494 MT)-wt. %-27.6	Date Reported	: 30/09/2015

The above sample(s) was/were examined as detailed below and the following results obtained.

Test	Test Method	Unit	Result
Appearance	ASTM D 4176; Visual	-	Clear & Bright
Colour	ASTM D 1500*	-	L 1.0
Density @ 15°C	ASTM D 4052	Kg/L	0.8207
Distillation, IBP	ASTM D 86	°C	173.8
10% Vol. Recovered Temperature			187.5
20% Vol. Recovered Temperature			193.1
30% Vol. Recovered Temperature			199.1
40% Vol. Recovered Temperature			207.5
50% Vol. Recovered Temperature			219.7
60% Vol. Recovered Temperature			236.2
70% Vol. Recovered Temperature			258.0
80% Vol. Recovered Temperature			284.5
90% Vol. Recovered Temperature			317.7
FBP			353.5
Flash Point, PMCC, Corrected	ASTM D 93 A	-	62.0
Cetane Index	ASTM D 4737*	-	46.2
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	1.789
Pour Point	ASTM D 97	°C	Lower Than minus 24
CFPP	ASTM D 6371*	-	Minus 14
Conradson Carbon Residue	ASTM D 4530	mass%	0.04
Ash Content	ASTM D 482	-	<0.001
Gum (Washed)	ASTM D 381*	mg/100ml	9
Gum (Unwashed)			14
Bromine Number	ASTM D 1159*	g/100g	1.7
Total Chlorides	ASTM D 5808*	ppm	<1
Copper Corrosion	ASTM D 130*	-	1a
PONA Analysis on 200°C Fraction	ASTM D 5134*	wt. %.	<0.20
Benzene			0.30
Toluene			1.64
Total Xylenes	ASTM D 5732*	ppm	98
Nitrogen Content			4510
Total Sulphur			<1
Hydrogen Sulphide			64
Mercaptans	ASTM D 3227*	-	Positive
Doctor Test	ASTM D 4952/IP 30*	-	Clear & Bright - Pass
Water Content	ASTM D 4176*	-	<0.20
Total Oxygenates on 200°C Fraction	ASTM D 4815*	Vol. %	<1
Lead	IP 224*	ppb	<1
Arsenic	UOP 387*		<1
Mercury	UOP 938*		<5

Test conducted on : 29-30/09/2015  
Test method deviation : None

Sampling method : ASTM D 4057

Tests conducted by Emp#

Report prepared by Emp#

The above test results are only applicable to the sample (s) referred above.

REPORTED BY

S. JOY

LABORATORY MANAGER

The Test Report shall not be reproduced (except in full) without the written approval of Geo-Chem Middle East

Samples shall be retained for 90 days only, unless otherwise instructed by customers and agreed by Geo-Chem Middle East in writing.

\*Test(s) are not accredited GCC (Gulf Accreditation Center).

(1A : 1/250; Revision : 07; Revision Date : 03/01/2012)

END OF REPORT

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