



FOBAS Sample Analysis Report

Client: [REDACTED]

Our Reference: 15-021037-0-UKHO - MKZ	Report Status Amber
Vessel: [REDACTED]	IMO: [REDACTED]
Sample Dispatch Date:	NOT STATED
Lab Receipt Date:	15 DEC 2015
Courier Used:	PARCEL FORCE : PARCELFORCE PB1E4990800
Dispatched From:	NOT STATED

Sample No	1	2
Port	NOT STATED	NOT STATED
Sampling Date	NOT STATED	NOT STATED
Supplier	NOT STATED	NOT STATED
Barge/Inst	NOT STATED	NOT STATED
Sample Point Type	NOT STATED	NOT STATED
Sampling Method	NOT STATED	NOT STATED

Advised Bunker Details

Viscosity cSt	NOT STATED	NOT STATED
Density @ 15°C kg/l	NOT STATED	NOT STATED
Sulphur	NOT STATED	NOT STATED
Quantity MT	NOT STATED	NOT STATED
Seal Number Lab	NOT STATED	NOT STATED
Tag Seal Numbers Lab	NOT STATED	NOT STATED
Seal Number Vessel	NOT STATED	NOT STATED
Seal Number Supplier	NOT STATED	NOT STATED
Seal Number MARPOL	NOT STATED	NOT STATED

Sample		Required Tested		Required Tested	
		1	Amber	2	Amber
ISO-F Grade(2005)		DMA	DMA	DMA	DMA
K Viscosity at 40oC	cSt	6.0	2.701	6.0	2.690
Density @ 15°C	kg/l	0.8900	0.8354	0.8900	0.8353
Water Content	% v/v	-	< 0.02	-	< 0.02

Ash Content at 550oC	% m/m	0.01	< 0.010	0.01	< 0.010
Net Specific Energy	MJ/kg		42.93		42.93
Gross Specific Energy	MJ/kg		45.78		45.78
Colour	n/a		Yellow		Yellow
Appearance			Clear and Bright		Clear and Bright
Sulphur Content	% m/m	1.50	< 0.03	1.50	< 0.03
Pour Point	°C	0	< -9	0	< -9
CFPP	°C		-6		-7
Flash Point	°C	60	61.0	60	62.0
MCR 10%	% m/m	0.30	< 0.01	0.30	< 0.01
Cetane Index	Index	40	53	40	53

Comments: Sample 1

SAMPLE 1: UN-TREATED MGO

SAMPLE 2: MGO SPIKED WITH CLEANBOOST ADDITIVE AT 1:4000

AAA: There are no noticeable difference in results based on the above tests.

Comments: Sample 2

comments as above

Note: The accuracy of the results obtained are dependent on the sample tested being truly representative of the fuel as loaded. To draw representative samples please refer to the FOBAS Sampling Procedures Manual. For further information on the MARPOL Annex VI Reg. 14 & 18 requirements and its on-going developments, please contact your local Lloyd's register FOBAS office or contact us directly on fobas@lr.org

This report is also available at <https://www.lrgmt.com>

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