FOBAS Fuel analysis report

Job reference: 229356111

Published date: 02 Aug 2022

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Client: Prema Plus Ltd

Port: NOT STATED, Date: -

Report Status: Green

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Advised bunker details

Sample	229356111-1	229356111-2
Supplier	NOT STATED	NOT STATED
Barge/Inst	NOT STATED	NOT STATED
Sample Point Type	NOT STATED	NOT STATED
Sampling Method	NOT STATED	NOT STATED
Sampled Date	NOT STATED	NOT STATED
Witnessed by Representative	NOT STATED	NOT STATED
Tanks loaded	NOT STATED	NOT STATED
Planned changeover	NOT STATED	NOT STATED
Qty of Bunker ROB	NOT STATED	NOT STATED
Grade Ordered	DMA	DMA
Viscosity cSt	NOT STATED	NOT STATED
Density @ 15°c kg/l	NOT STATED	NOT STATED
Sulphur	NOT STATED (VLS)	NOT STATED (VLS)
Quantity MT	NOT STATED	NOT STATED

Transit details

Dispatch Date	NOT STATED	Courier	DHL
Dispatched From	NOT STATED	AWB Number	NO AWB
Lab Receipt Date	2022-07-26	Next Port	NOT STATED
		ETA Next Port	NOT STATED

Sample seal numbers

Lab Cap Seal	2731766	1834920
Lab Tag Seal(s)	NOT STATED	NOT STATED
Vessel Seal	NOT STATED	NOT STATED
Supplier Seal	NOT STATED	NOT STATED
MARPOL Seal	NOT STATED	NOT STATED

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Test results

Characteristic	Method	Unit	Required	Tested	Required	Tested
Sample				229356111-1		229356111-2
ISO-F Grade(2005)			DMAVLS	DMAVLS	DMAVLS	DMAVLS
Density @ 15°c	ISO 12185	kg/l	0.8900 Max	0.8656	0.8900 Max	0.8658
K Viscosity at 40°C	ISO 3104	cSt	6.0 Max	3.571	6.0 Max	3.566
Flash Point	ASTM D6450	°C	60 Min	> 70.0	60 Min	> 70.0
Pour Point	ISO 3016	°C	0 Max	< -9	0 Max	< -9
Cloud Point	ISO 3015	°C	-	2	-	2
MCR 10%	ISO 10370	%m/m	0.30 Max	0.06	0.30 Max	0.14
Ash Content at 550°C	ISO 6245	%m/m	0.01 Max	< 0.010	0.01 Max	< 0.010
Water Content	ASTM D6304	%v/v	-	< 0.02	-	< 0.02
Sulphur Content	ISO 8754	%m/m	0.10% Max	0.071	0.10% Max	0.077
Total Sediment Existent	ISO 10307-1	%m/m	-	< 0.01	-	< 0.01
Appearance	Visual		-	Clear	-	Clear
Colour	Visual	n/a	-	Orange	-	Orange
Cetane Index	ISO 4264	Index	40 Min	48	40 Min	48
TAN	ASTM D664	mgKOH/g	-	< 0.05	-	0.05
SAN	ASTM D664	mgKOH/g	-	0.0	-	0.0

Calculated values

Net Specific Energy	Calc	MJ/kg	-	42.56	-	42.55
Gross Specific Energy	Calc	MJ/kg	-	45.30	-	45.30

Quantity difference based on tested density

Quantity Bunkered		MT	-	-	-	-
Standard Vol. Bunkered	(at 15°C)	m^3	-	-	-	-
Supplier Density		kg/l	-	-	-	-
Analysis Density		kg/l	-	0.8656	-	0.8658
Qty Diff Due to Density		MT	-	n/a	-	n/a

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Comments

Sample 229356111-1

Sample 1 and 2 are both taken from the same homogenised Marine Gas OIl sample for the purpose of carrying out comparative analysis between sample 1 without the additive and sample 2 with additive Type Prema Marine as supplied by Prema Plus Ltd.

Sample 1
The fuel as tested corresponds to an ISO 8217:DMA grade

Sample 2
Same fuel as sample 1, mixed 1/600 Prema Marine to Marine Gas Oil respectively.
The fuel as tested corresponds to an ISO 8217: DMA grade.

The are no signifcant changes in the characteristics of the fuel between sample 1 and sample 2 after the inclusion of the addtive based on the tests carried out.

Sample 229356111-2

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

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General statistics

Recent statistics are not available for this job, because there is insufficient data for comparison.