

EXXONMOBIL ASIA PACIFIC PTE LTD
1 HARBOURFRONT PLACE, RU 4733
#06-00 HABOURFRONT TOWER ONE
098633, SINGAPORE
Singapore



Attention of : Mrs. I. Goemans
Your reference : INTB009FIN-2009-0261

Analysis Report

Report number : 12004/00126180.1/L/20 Composite prep date : 20-09-2020
Main Object : Emma Place of sampling : Koole Tankstorage Mineral BV
Report Date : 23-09-2020 Date received : 20-09-2020
Date of issue : 22-09-2020 Date completed : 22-09-2020
Sample object : Emma Sample number : 10537815
Sample type : Composite
Sample submitted as : DMA 890 Reddyed
Marked : Barge Emma multiple tank composite prepared from running samples ex P2 , S2 , P6 , S6 after loading from Shoretank 805

Composite (10537815)			
SAMPLE NR	OBJECT	DESCRIPTION	RATIO
10537705	Emma	Barge Emma P2 running after loading from Shoretank 805	
10537706	Emma	Barge Emma S2 running after loading from Shoretank 805	
10537707	Emma	Barge Emma P6 running after loading from Shoretank 805	
10537708	Emma	Barge Emma S6 running after loading from Shoretank 805	

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	Bright and Clear
Density at 15 °C	ASTM D 4052	kg/L	0.8607
Distillation	ASTM D 86		
Initial boiling point		°C	167.8
5% Recovered		°C	198.1
10% Recovered		°C	222.3
30% Recovered		°C	297.4
50% Recovered		°C	332.7
70% Recovered		°C	351.7
90% Recovered		°C	373.8
95% Recovered		°C	382.9
Final boiling point		°C	387.9
Recovered at 250 °C		vol %	16.1
Recovered at 350 °C		vol %	68.1
FAME content	EN 14078	vol %	<0.05
Filter Blocking Tendency	IP 387		
Filter Blocking Tendency		-	1.02
Initial Pressure		kPa	18
Final Pressure		kPa	20
Volume Filtered		mL	300
Temperature		°C	25
Procedure		-	B
Acid Number	ASTM D 664		

All results in this report refer to the sample(s) tested as taken or submitted like specified in this Analysis report. Uncertainties, available on request, apply in the evaluation of the test results. All tests are conducted according to the latest version of the methods, unless another version is specifically indicated. Where available and for convenience purposes, the tested sample has been checked for compliance with supplied specifications, without accepting any liability. In case of dispute or concern, we refer to the interpretation of test results as defined in ASTM D3244, IP 367, ISO 4259 or GOST 33701. This report shall not be partially copied and reproduced without the written permission of the laboratory.

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NAME	METHOD	UNIT	RESULT
Acid number		mg KOH/g	0.02
Strong acid number		mg KOH/g	nill
Water Karl Fischer	ASTM D 6304		
Water Karl Fischer - Procedure A		mg/kg	50
Cloud Point	EN 23015 obs.	°C	plus 15
Cold Filter Plugging Point	EN 116	°C	+13

Signed by: Fatih Eroglu - Sr Account Manager
Issued by: Saybolt Nederland BV
Place and date of issue: Rotterdam-Botlek - 22-09-2020

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