

To Whom It May Concern



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Analysis Report

Report number : 12004/00129042.2/L/20

Main Object : LS ANNE

Report Date : 02-01-2021

Date of issue : 02-01-2021

Sample object : LS ANNE

Sample type : Sampled

Sample submitted as : AP/E CORE 600

Marked : Vessel LS ANNE manifold before discharge into Shore tank 5032, Shore tank 5031

Date of sampling : 30-12-2020

Place of sampling : Vopak Terminal Vlaardingen

Date received : 30-12-2020

Date completed : 30-12-2020

Sample number : 10983550

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	Clear and Bright
Kinematic Viscosity at 100 °C	ASTM D 7042	mm ² /s	12.02

Signed by: Patrick Visser - Customer Service Representative
Issued by: Saybolt Nederland BV
Place and date of issue: Rotterdam-Botlek - 02-01-2021

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Analysis Report

Report number	: 12004/00129042.2/L/20	Date of sampling	: 30-12-2020
Main Object	: LS ANNE	Place of sampling	: Vopak Terminal Vlaardingen
Report Date	: 02-01-2021	Date received	: 30-12-2020
Date of issue	: 02-01-2021	Date completed	: 30-12-2020
Sample object	: LS ANNE	Sample number	: 10983551
Sample type	: Sampled		
Sample submitted as	: AP/E CORE 600		
Marked	: Vessel LS ANNE deck composite before discharge into Shore tank 5032, Shore tank 5031		

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	Clear and Bright
Kinematic Viscosity at 100 °C	ASTM D 7042	mm ² /s	12.01

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Analysis Report

Report number : 12004/00129042.2/L/20 Date of sampling : 30-12-2020
Main Object : LS ANNE Place of sampling : Vopak Terminal Vlaardingen
Report Date : 02-01-2021 Date received : 30-12-2020
Date of issue : 02-01-2021 Date completed : 30-12-2020
Sample object : 25 Sample number : 10983996
Sample type : Sampled
Sample submitted as : AP/E CORE 600
Marked : Shore line 25 end of shoreline near shoretank 5031 during discharge from Vessel LS ANNE

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	Clear & Bright
Kinematic Viscosity at 100 °C	ASTM D 7042	mm²/s	11.93

~ Due to restrictions enforced by terminal/refinery/vessels management and/or local laws and regulations, samples of concerned object have been taken via a closed/restricted sampling system.
With reference to API MPMS 12.11 it should be noted that when taking vessel samples, it may not be possible to obtain representative samples of nonhomogeneous cargoes due to the inherent nature of the cargo and the sampling restrictions.

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Analysis Report

Report number : 12004/00129042.2/L/20

Composite prep date : 31-12-2020

Main Object : LS ANNE

Place of sampling : Vopak Terminal Vlaardingen

Report Date : 02-01-2021

Date received : 31-12-2020

Date of issue : 31-12-2020

Date completed : 31-12-2020

Sample object : 5031

Sample number : 10986683

Sample type : Composite

Sample submitted as : AP/E CORE 600

Marked : Shore tank 5031 single tank composite prepared from upper, middle, lower after discharge from Vessel LS ANNE

Composite (10986683)			
SAMPLE NR	OBJECT	DESCRIPTION	RATIO
10986520	5031	Shore tank 5031 upper after discharge from Vessel LS ANNE	
10986521	5031	Shore tank 5031 middle after discharge from Vessel LS ANNE	
10986522	5031	Shore tank 5031 lower after discharge from Vessel LS ANNE	

NAME	METHOD	UNIT	RESULT
Density at 15 °C	ASTM D 4052	kg/L	0.8833
Appearance	Visual	-	Clear & Bright
Color ASTM	ASTM D 1500	-	L 2.5
Flash Point (COC)	ASTM D 92	°C	268
Kinematic Viscosity at 40 °C	ASTM D 445	mm²/s	113.2
Kinematic Viscosity at 100 °C	ASTM D 445	mm²/s	12.03
Pour Point	ASTM D 5950	°C	-9
Viscosity Index	ASTM D 2270	-	95

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Analysis Report

Report number : 12004/00129042.2/L/20

Composite prep date : 31-12-2020

Main Object : LS ANNE

Place of sampling : Vopak Terminal Vlaardingen

Report Date : 02-01-2021

Date received : 31-12-2020

Date of issue : 31-12-2020

Date completed : 31-12-2020

Sample object : 5032

Sample number : 10986684

Sample type : Composite

Sample submitted as : AP/E CORE 600

Marked : Shore tank 5032 single tank composite prepared from upper, middle, lower after discharge from Vessel LS ANNE

Composite (10986684)			
SAMPLE NR	OBJECT	DESCRIPTION	RATIO
10986534	5032	Shore tank 5032 upper after discharge from Vessel LS ANNE	
10986535	5032	Shore tank 5032 middle after discharge from Vessel LS ANNE	
10986536	5032	Shore tank 5032 lower after discharge from Vessel LS ANNE	

NAME	METHOD	UNIT	RESULT
Density at 15 °C	ASTM D 4052	kg/L	0.8835
Appearance	Visual	-	Clear & Bright
Color ASTM	ASTM D 1500	-	L 2.5
Flash Point (COC)	ASTM D 92	°C	266
Kinematic Viscosity at 40 °C	ASTM D 445	mm²/s	112.7
Kinematic Viscosity at 100 °C	ASTM D 445	mm²/s	11.99
Pour Point	ASTM D 5950	°C	-6
Viscosity Index	ASTM D 2270	-	95

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