

To Whom It May Concern



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Analysis Report

Report number	: 12004/00130857.4/L/21	Composite prep date	: 14-03-2021
Main Object	: BOW SKY	Place of sampling	: Vopak Terminal Vlaardingen
Report Date	: 30-03-2021	Date received	: 14-03-2021
Date of issue	: 14-03-2021	Date completed	: 14-03-2021
Sample object	: 2038	Sample number	: 11311543
Sample type	: Composite		
Sample submitted as	: AP/E Core 2500		
Marked	: Shore tank 2038 single tank composite		

NAME	METHOD	UNIT	RESULT
Density at 15 °C	ASTM D 4052	kg/L	0.8993
Appearance	Visual	-	Clear & Bright
Color ASTM	ASTM D 1500	-	L 5.0
Flash Point (COC)	ASTM D 92	°C	306
Kinematic Viscosity at 40 °C	ASTM D 445	mm²/s	472.0
Kinematic Viscosity at 100 °C	ASTM D 445	mm²/s	31.0
Pour Point	ASTM D 5950	°C	-6
Viscosity Index	ASTM D 2270	-	95

Signed by: Leonie Snoek - Account Manager  
Issued by: Saybolt Nederland BV  
Place and date of issue: Rotterdam-Botlek - 14-03-2021

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Analysis Report

Report number	: 12004/00130857.4/L/21	Composite prep date	: 22-03-2021
Main Object	: BOW SKY	Place of sampling	: Vopak Terminal Vlaardingen
Report Date	: 30-03-2021	Date received	: 22-03-2021
Date of issue	: 22-03-2021	Date completed	: 22-03-2021
Sample object	: 5031	Sample number	: 11351473
Sample type	: Composite		
Sample submitted as	: AP/E Core 600		
Marked	: Shore tank 5031 single tank composite		

NAME	METHOD	UNIT	RESULT
Density at 15 °C	ASTM D 4052	kg/L	0.8825
Appearance	Visual	-	Clear & Bright
Color ASTM	ASTM D 1500	-	L 2.0
Flash Point (COC)	ASTM D 92	°C	268
Kinematic Viscosity at 40 °C	ASTM D 445	mm²/s	111.3
Kinematic Viscosity at 100 °C	ASTM D 445	mm²/s	12.01
Pour Point	ASTM D 5950	°C	-6
Viscosity Index	ASTM D 2270	-	97

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Analysis Report

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Main Object	: BOW SKY	Place of sampling	: Vopak Terminal Vlaardingen
Report Date	: 30-03-2021	Date received	: 29-03-2021
Date of issue	: 30-03-2021	Date completed	: 29-03-2021
Sample object	: 32	Sample number	: 11381553
Sample type	: Sampled		
Sample submitted as	: AP/E Core 2500		
Marked	: Shore line 32 end of shoreline at jetty 624 before loading into Vessel BOW SKY		

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	B/C
Kinematic Viscosity at 40 °C	ASTM D 7042	mm²/s	474.7

*~ 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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Report Date	: 30-03-2021	Date received	: 29-03-2021
Date of issue	: 30-03-2021	Date completed	: 29-03-2021
Sample object	: BOW SKY	Sample number	: 11381602
Sample type	: Sampled		
Sample submitted as	: AP/E Core 2500		
Marked	: Vessel BOW SKY B6 first foot sample during loading from Shore tank 2038		

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	B/C
Kinematic Viscosity at 40 °C	ASTM D 7042	mm²/s	474.6

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Main Object	: BOW SKY	Place of sampling	: Vopak Terminal Vlaardingen
Report Date	: 30-03-2021	Date received	: 30-03-2021
Date of issue	: 30-03-2021	Date completed	: 30-03-2021
Sample object	: 25	Sample number	: 11382448
Sample type	: Sampled		
Sample submitted as	: AP/E Core 600		
Marked	: Shore line 25 end of shoreline at jetty 624 before loading into Vessel BOW SKY		

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	Clear & Bright
Kinematic Viscosity at 100 °C	ASTM D 7042	mm²/s	11.87

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Report Date	: 30-03-2021	Date received	: 29-03-2021
Date of issue	: 30-03-2021	Date completed	: 29-03-2021
Sample object	: BOW SKY	Sample number	: 11382452
Sample type	: Sampled		
Sample submitted as	: AP/E Core 600		
Marked	: Vessel BOW SKY P7 first foot sample during loading from Shore tank 5031		

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	Bright and Clear
Kinematic Viscosity at 100 °C	ASTM D 7042	mm²/s	12.03

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Main Object	: BOW SKY	Place of sampling	: Vopak Terminal Vlaardingen
Report Date	: 30-03-2021	Date received	: 29-03-2021
Date of issue	: 30-03-2021	Date completed	: 29-03-2021
Sample object	: BOW SKY	Sample number	: 11383200
Sample type	: Sampled		
Sample submitted as	: AP/E Core 2500		
Marked	: Vessel BOW SKY B6 running after loading from Shore tank 2038		

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	Clear & Bright
Kinematic Viscosity at 40 °C	ASTM D 7042	mm²/s	474.2

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Date of issue	: 30-03-2021	Date completed	: 30-03-2021
Sample object	: BOW SKY	Sample number	: 11383201
Sample type	: Sampled		
Sample submitted as	: AP/E Core 2500		
Marked	: Vessel BOW SKY B6 running after loading from Shore tank 2038		

NAME	METHOD	UNIT	RESULT
Crackle test	Visual	-	Pass

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Report Date	: 30-03-2021	Date received	: 30-03-2021
Date of issue	: 30-03-2021	Date completed	: 30-03-2021
Sample object	: BOW SKY	Sample number	: 11383993
Sample type	: Sampled		
Sample submitted as	: AP/E Core 600		
Marked	: Vessel BOW SKY P7 running after loading from Shore tank 5031		

NAME	METHOD	UNIT	RESULT
Crackle test	Visual	-	Pass

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