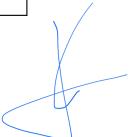


10404/00024742.8/21

<u>TEST</u>	<u>METHOD</u>	<u>€</u>
Shore tank K3 composite		
Density at 15°C	ASTM D 4052	24,00 €
Colour ASTM	ASTM D 1500	33,00€
Viscosity Index	ASTM D 2270	118,00€
Kinematic Viscosity 40°C	ASTM D 445	Included
Kinematic Viscosity 100ºC	ASTM D 445	Included
Flash point (COC)	ASTM D 92	61,00€
Pour Point	ASTM D 97	59,00€
Appearance	Visual	18,00€
	Analysis	313,00€
	Total	313,00 €
	Total with participation 100%	313,00 €





10404/00024742.15/21

<u>TEST</u>	<u>METHOD</u>	€
Shore tank V4 composite		
Colour ASTM	ASTM D 1500	33,00€
Viscosity Index	ASTM D 2270	118,00€
Density at 15°C	ASTM D 4052	24,00€
Kinematic Viscosity 40°C	ASTM D 445	Included
Kinematic Viscosity 100ºC	ASTM D 445	Included
Flash point (COC)	ASTM D 92	61,00€
Appearance	Visual	18,00€
Color Saybolt	ASTM D 6045	22,00€
ccs	ASTM D 5293	69,00€
Pour Point	AM-S 1762	65,00€
	Analysis	410,00€
	Total	410,00€
	Total with participation 100%	410,00€



10404/00024742.18/21

<u>TEST</u>	<u>METHOD</u>	€
Shore tank P2 composite		
Colour ASTM	ASTM D 1500	33,00€
Viscosity Index	ASTM D 2270	118,00€
Density at 15°C	ASTM D 4052	24,00€
Kinematic Viscosity 40°C	ASTM D 445	Included
Kinematic Viscosity 100ºC	ASTM D 445	Included
ccs	ASTM D 5293	69,00€
Noack Evaporation Loss	ASTM D 5800	216,00€
Flash point (COC)	ASTM D 92	61,00€
Appearance	Visual	18,00€
Color Saybolt	ASTM D 6045	22,00€
Pour Point	AM-S 1762	65,00€
	Analysis	626,00€
	Total	626,00€
	Total with participation 100%	626,00€



10404/00024742.23/21

<u>TEST</u>	<u>METHOD</u>	<u>€</u>
Shara tank S2 composito		
Shore tank S3 composite		
Density at 15°C	ASTM D 4052	24,00€
Colour ASTM	ASTM D 1500	33,00€
Sulphur	ASTM D 4294	77,00€
Viscosity Index	ASTM D 2270	118,00€
Kinematic Viscosity 40°C	ASTM D 445	Included
Kinematic Viscosity 100°C	ASTM D 445	Included
ccs	ASTM D 5293	69,00€
Noack Evaporation Loss	ASTM D 5800	216,00€
Flash point (COC)	ASTM D 92	61,00€
Pour Point	ASTM D 97	59,00€
Appearance	Visual	18,00€
	Analysis	675,00€
	Total	675,00€
	Total with participation 100%	675,00 €



Attention of : Mr. N. van Houdt

Your reference : AF21026

Report nr : 10404/00024742.3/L/21 Print Date : 07-03-2021 13:53

Analysis Report

Issuer warrants that it has exercised due diligence and care with respect to the information and professional judgements embodied in this report. This report reflects only the findings at the time and place of the inspection and testing.

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SAMPLE		OBJECT	PRODUCT
11280310	Vessel ELISABETH SCHULTE Multiple weighted tank composite P2/S2 running before discharge from SHIP'S TANK	ELISABETH SCHULTE	AP/E Core 100
11280319	Vessel ELISABETH SCHULTE Multiple weighted tank composite 6P/6S running before discharge from SHIP`S TANK	ELISABETH SCHULTE	AP/E Core 600
11280328	Vessel ELISABETH SCHULTE Multiple weighted tank composite 3P/4P/3S/4S running before discharge from SHIP`S TANK	ELISABETH SCHULTE	EHC 50
11280341	Vessel ELISABETH SCHULTE Multiple weighted tank composite P1/P5/S1/S5 running before discharge from SHIP'S TANK	ELISABETH SCHULTE	EHC 120



Attention of : Mr. N. van Houdt

Your reference : AF21026

Analysis Report

Report number : 10404/00024742.3/L/21 Date of sampling : 07-03-2021

Main Object : ELISABETH SCHULTE Place of sampling : Tepsa Valencia Terminal

Report Date : 07-03-2021 Date received : 07-03-2021

Date of issue : 07-03-2021 Date completed : 07-03-2021

Sample object : ELISABETH SCHULTE Sample number : 11280310

Sample type : Sampled
Sample submitted as : AP/E Core 100

Marked : Vessel ELISABETH SCHULTE Multiple weighted tank composite P2/S2 running before

discharge from SHIP`S TANK

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	Cl & Br
Viscosity by Stabinger	ASTM D 7042		
Kinematic Viscosity at 100°C		mm²/s	4.050

Lab comments:

Analysis performed in Saybolt Valencia laboratory. Nuevo Dique del este S/N, 46024 Valencia

Signed by: Diego Moriana Rodriguez - Laboratory Account Manager II

Print Date: 07-03-2021 13:53

Page 2 of 5

Issued by: Saybolt España S.A.Ŭ.

Place and date of issue: Cartagena - 07-03-2021



Attention of : Mr. N. van Houdt

Your reference : AF21026

Analysis Report

Report number : 10404/00024742.3/L/21 Date of sampling : 07-03-2021

Main Object : ELISABETH SCHULTE Place of sampling : Tepsa Valencia Terminal

Report Date : 07-03-2021 Date received : 07-03-2021

Date of issue : 07-03-2021 Date completed : 07-03-2021

Sample object : ELISABETH SCHULTE Sample number : 11280319

Sample type : Sampled
Sample submitted as : AP/E Core 600

Marked : Vessel ELISABETH SCHULTE Multiple weighted tank composite 6P/6S running before

discharge from SHIP`S TANK

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	Cl & Br
Viscosity by Stabinger	ASTM D 7042		
Kinematic Viscosity at 100°C		mm²/s	12.10

Lab comments:

Analysis performed in Saybolt Valencia laboratory. Nuevo Dique del este S/N, 46024 Valencia

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Place and date of issue: Cartagena - 07-03-2021



Attention of : Mr. N. van Houdt

Your reference : AF21026

Analysis Report

Report number : 10404/00024742.3/L/21 Date of sampling : 07-03-2021

Main Object : ELISABETH SCHULTE Place of sampling : Tepsa Valencia Terminal

Report Date : 07-03-2021 Date received : 07-03-2021

Date of issue : 07-03-2021 Date completed : 07-03-2021

Sample object : ELISABETH SCHULTE Sample number : 11280328

Sample type : Sampled Sample submitted as : EHC 50

Marked : Vessel ELISABETH SCHULTE Multiple weighted tank composite 3P/4P/3S/4S running

before discharge from SHIP'S TANK

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	Cl & Br
Color Saybolt	ASTM D 6045	-	> 30
Color ASTM	ASTM D 1500	-	L0.5
Viscosity at Stabinger	ASTM D 7042		
Kinematic Viscosity at 40°C		mm²/s	29.76

Lab comments:

Analysis performed in Saybolt Valencia laboratory. Nuevo Dique del este S/N, 46024 Valencia

Signed by: Diego Moriana Rodriguez - Laboratory Account Manager II

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Page 4 of 5

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Place and date of issue: Cartagena - 07-03-2021



Attention of : Mr. N. van Houdt

Your reference : AF21026

Analysis Report

Report number : 07-03-2021 : 10404/00024742.3/L/21 Date of sampling

Main Object : ELISABETH SCHULTE Place of sampling : Tepsa Valencia Terminal

Report Date : 07-03-2021 Date received : 07-03-2021 Date of issue : 07-03-2021 Date completed : 07-03-2021 Sample object : ELISABETH SCHULTE Sample number : 11280341

Sample type : Sampled Sample submitted as : EHC 120

Vessel ELISABETH SCHULTE Multiple weighted tank composite P1/P5/S1/S5 running Marked

before discharge from SHIP'S TANK

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	Cl & Br
Color Saybolt	ASTM D 6045	-	> 30
Viscosity by Stabinger	ASTM D 7042		
Kinematic Viscosity at 40°C		mm²/s	99.98

Lab comments:

Analysis performed in Saybolt Valencia laboratory. Nuevo Dique del este S/N, 46024 Valencia

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Print Date: 07-03-2021 13:53

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Print Date: 2021-03-08 11:57

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Attention of : Mrs. C. Peij Your reference : AF21026

Report nr : 10404/00024742.5/L/21 Print Date : 2021-03-08 11:57

Analysis Report

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Attention of : Mrs. C. Peij Your reference : AF21026

Analysis Report

Main Object : ELISABETH SCHULTE Place of sampling : Tepsa Valencia Terminal

 Report Date
 : 2021-03-08
 Date received
 : 2021-03-08

 Date of issue
 : 2021-03-08
 Date completed
 : 2021-03-08

 Sample object
 : S3
 Sample number
 : 11258394

Sample type : Composite
Sample submitted as : AP/E Core 100

Marked : Shore tank S3 single tank composite prepared from upper, middle, lower after discharge

NAME	METHOD	UNIT	SPE	SPECS	
			Min	Max	
Density at 15 °C	ASTM D 4052	g/mL	Report		0.8585
Colour ASTM	ASTM D 1500	-		1.0	L0.5
Viscosity Index	ASTM D 2270	-	95		98
Kinematic Viscosity at 100 °C	ASTM D 445	mm²/s	Report		4.0
Kinematic Viscosity at 40 °C	ASTM D 445	mm²/s	18.5	21.0	19.7
App. Viscosity at -25°C (CCS)	ASTM D 5293	mPa.s		1650	1359
Noack Evaporation Loss	ASTM D 5800				
Noack Evaporation Loss - Method B		mass %		29.3	25.1
Flash point (COC)	ASTM D 92	°C	194		232
Pour Point	ASTM D 97	°C		-18	-21
Appearance	Visual	-	Clear and Bright		Clear and bright

Lab comments:

Analysis performed in Saybolt Barcelona. Carrer Y, 33 08040 Barcelona

Signed by: Sara Alcaraz - Laboratory Account Manager

Issued by: Saybolt España S.A.U.

Place and date of issue: Cartagena - 2021-03-08



Print Date: 2021-03-08 11:59

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Attention of : Mrs. C. Peij Your reference : AF21026

Report nr : 10404/00024742.6/L/21 Print Date : 2021-03-08 11:59

Analysis Report

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Attention of : Mrs. C. Peij Your reference : AF21026

Analysis Report

Report number : 10404/00024742.6/L/21 Date of sampling : 2021-03-02

Main Object : ELISABETH SCHULTE Place of sampling : Tepsa Valencia Terminal

 Report Date
 : 2021-03-08
 Date received
 : 2021-03-08

 Date of issue
 : 2021-03-08
 Date completed
 : 2021-03-08

 Sample object
 : S3
 Sample number
 : 11274703

Sample type : Composite
Sample submitted as : AP/E SN 100 LS

Marked : Shore tank S3 single tank composite prepared from upper, middle, lower after discharge

NAME	METHOD	UNIT	SPE	SPECS	
			Min	Max	
Density at 15 °C	ASTM D 4052	g/mL	Report		0.8585
Colour ASTM	ASTM D 1500	-		1.0	L0.5
Sulphur (S)	ASTM D 4294	mass %	0.1	0.50	0.18
Viscosity Index	ASTM D 2270	-	95		98
Kinematic Viscosity at 100 °C	ASTM D 445	mm²/s	Report		4.0
Kinematic Viscosity at 40 °C	ASTM D 445	mm²/s	18.5	21.0	19.7
App. Viscosity at -25°C (CCS)	ASTM D 5293	mPa.s		1650	1359
Noack Evaporation Loss	ASTM D 5800				
Noack Evaporation Loss - Method B		mass %		29.3	25.1
Flash point (COC)	ASTM D 92	°C	194		232
Pour Point	ASTM D 97	°C		-18	-21
Appearance	Visual	-	Clear and Bright		Clear and birght

Lab comments:

Analysis performed in Saybolt Barcelona. Carrer Y, 33 08040 Barcelona

Signed by: Sara Alcaraz - Laboratory Account Manager

Issued by: Saybolt España S.A.U.

Place and date of issue: Cartagena - 2021-03-08



Print Date: 2021-03-10 12:31

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Attention of : Mrs. C. Peij Your reference : AF21026

Report nr : 10404/00024742.8/L/21 Print Date : 2021-03-10 12:31

Analysis Report

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Attention of : Mrs. C. Peij Your reference : AF21026

Analysis Report

: 10404/00024742.8/L/21 Composite prep date : 2021-03-02 Report number

Main Object : ELISABETH SCHULTE Place of sampling : Tepsa Valencia Terminal

Report Date : 2021-03-10 Date received : 2021-03-10 Date of issue : 2021-03-10 Date completed : 2021-03-10 Sample object : K3 Sample number : 11258397

Sample type : Composite Sample submitted as : AP/E Core 600

Marked : Shore tank K3 single tank composite prepared from upper, middle, lower after discharge

NAME	METHOD	UNIT	SPE	SPECS	
			Min	Max	
Density at 15 °C	ASTM D 4052	g/mL	Report		0.8818
Colour ASTM	ASTM D 1500	-		4.0	L2.5
Viscosity Index	ASTM D 2270	-	95		95
Kinematic Viscosity at 100 °C	ASTM D 445	mm²/s	Report		12.03
Kinematic Viscosity at 40 °C	ASTM D 445	mm²/s	109.0	116.0	113.18
Flash point (COC)	ASTM D 92	°C	246		256
Pour Point	ASTM D 97	°C		-6	-6
Appearance	Visual	-	Clear and Bright		Clear and Bright

Lab comments:

Analysis performed in Saybolt Barcelona.

Carrer Y, 33 08040 Barcelona

Min/Max shown on the CoA as per specification provided by the client

Signed by: Diego Moriana Rodriguez - Laboratory Account

Print Date: 2021-03-10 12:31

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Manager II

Issued by: Saybolt España S.A.U.
Place and date of issue: Cartagena - 2021-03-10



Print Date: 2021-03-10 14:00

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Attention of : Mrs. C. Peij Your reference : AF21026

Report nr : 10404/00024742.14/L/21 Print Date : 2021-03-10 14:00

Analysis Report

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Attention of : Mrs. C. Peij Your reference : AF21026

Analysis Report

Main Object : ELISABETH SCHULTE Place of sampling : Tepsa Valencia Terminal

 Report Date
 : 2021-03-10
 Date received
 : 2021-03-10

 Date of issue
 : 2021-03-10
 Date completed
 : 2021-03-10

 Sample object
 : P2
 Sample number
 : 11258395

Sample type : Composite
Sample submitted as : EHC 50

Marked : Shore tank P2 single tank composite prepared from upper, middle, lower after discharge

NAME	METHOD	UNIT	SPE	SPECS	
			Min	Max	
Colour ASTM	ASTM D 1500	-		0.5	L0.5
Viscosity Index	ASTM D 2270	-	110	119	110
Density at 15 °C	ASTM D 4052	g/mL	Report		0.8515
Kinematic Viscosity at 40 °C	ASTM D 445	mm²/s	Report		29.79
Kinematic Viscosity at 100 °C	ASTM D 445	mm²/s	5.2	5.6	5.3
App. Viscosity at -20 °C (CCS)	ASTM D 5293	mPa.s		1700	1395
Noack Evaporation Loss	ASTM D 5800				
Noack Evaporation Loss - Method B		mass %		15.0	12.6
Flash point (COC)	ASTM D 92	°C	210		228
Appearance	Visual	-	Clear and Bright		Clear and Bright
Color Saybolt	ASTM D 6045	-	J		>30
Pour Point	AM-S 1762	°C			-23

Lab comments:

Analysis performed in Saybolt Barcelona. Carrer Y, 33 08040 Barcelona

Signed by: Diego Moriana Rodriguez - Laboratory Account

Print Date: 2021-03-10 14:00

Page 2 of 2

Manager II

Issued by: Saybolt España S.A.U.

Place and date of issue: Cartagena - 2021-03-10



Print Date: 2021-03-10 17:01

Page 1 of 2

Attention of : Mr. N. van Houdt

Your reference : AF21026

Report nr : 10404/00024742.16/L/21 Print Date : 2021-03-10 17:01

Analysis Report

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Attention of : Mr. N. van Houdt

Your reference : AF21026

Analysis Report

Report number : 10404/00024742.16/L/21 Composite prep date : 2021-03-02

Main Object : ELISABETH SCHULTE Place of sampling : Tepsa Valencia Terminal

Report Date : 2021-03-10 Date received : 2021-03-10 Date of issue : 2021-03-10 Date completed : 2021-03-10 Sample object : V4 Sample number : 11258396

Sample type : Composite Sample submitted as : EHC 120

: Shore tank V4 single tank composite prepared from upper, middle, lower after discharge Marked

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Colour ASTM	ASTM D 1500	-		0.5	L0.5
Viscosity Index	ASTM D 2270	-	102	115	107
Density at 15 °C	ASTM D 4052	g/mL	Report		0.8643
Kinematic Viscosity at 40 °C	ASTM D 445	mm²/s	96	108	101
Kinematic Viscosity at 100 °C	ASTM D 445	mm²/s	11.7	12.5	11.9
Flash point (COC)	ASTM D 92	°C	255		270
Appearance	Visual	-	Clear and Bright		Clear and Bright
Noack Evaporation Loss	ASTM D 5800		-		J
Noack Evaporation Loss - Method B 1		mass %		3	2.2
Color Saybolt	ASTM D 6045	-			30
App. Viscosity at -20°C (CCS)	ASTM D 5293	mPa.s			11426
Pour Point	AM-S 1762	°C			-20

Remarks:

Lab comments:

Analysis performed in Saybolt Barcelona. Carrer Y, 33 08040 Barcelona

Min/Max shown on the CoA as per specification provided by the client

Signed by: Diego Moriana Rodriguez - Laboratory Account

Print Date: 2021-03-10 17:01

Page 2 of 2

Manager II

Issued by: Saybolt España S.A.U.

Place and date of issue: Cartagena - 2021-03-10

Theoretical value calculated basis individual batch result before loading as per information received by the client