

EXXONMOBIL SALES & SUPPLY LLC  
22777 Springwood Village Parkway  
RU 4583  
77389 Spring  
United States  
ExxonMobil Scheduler  
AF21021



Job No 12004/00129794.0000/01/I/21  
Report date 07 Feb 2021  
Installation Vlaardingen, Netherlands, Vopak Terminal Vlaardingen

**Vessel MED BALTIC**  
**Product EHC 50**

Bill of Lading date: 06-Feb-2021

**Contents page**

Saybolt Nederland BV has performed a survey of the above mentioned object, the findings of the survey are reflected in the following reports:

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This report consists of 12 pages.

A copy of this report and all field documents and related correspondence will be retained for a period of 10 years, unless local law requires otherwise

Handled by: Corla Lakerveld

*This report reflects only the findings at the time and place of the inspection and testing. This report is not a guarantee or policy of insurance with respect to the goods or the contractual performance of any party. Any person relying upon this report should be aware that issuer's activities are carried out under their general terms and conditions.*

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## Cover Page Loading

### Loading data

Quantity data			
Bill of Lading is based on:		Shore tank measurements	
Bill of Lading date		06 Feb 2021	
Average product temperature onboard	°C	17.28	
Calculation data			
Shore tank Volume conversion table used		54D	
Vessel Volume conversion table used		54D	
Shore data			
Loading Installation		Vopak Terminal Vlaardingen	
Shore tank number(s)		6005	
Shore tank measurements were carried out with		Shore equipment/ATG	by Automatic Tank Gauge
Shore tank temperatures were carried out with		Shore equipment/ATG	by Automatic Tank Temperature
Vessel data			
Cargo stowed in cargo tanks		P4, S6	
Type of standpipes of vessel tanks		Slotted	
Vessel tank measurement were carried out with		Vessel/barge equipment/ATG	by UTI
Sea Condition		Calm (rippled) - 0 to 0.1 m (0.00 to 0.33 ft)	
Weather condition		Cloudy	

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## Time Log

### 05 Feb 2021 (Friday)

11:00	End of Sea Passage
11:00	Notice of Readiness Tendered
11:06	Pilot on Board
13:42	First Line Ashore
14:06	Notice of Readiness Received
14:06	Moored Alongside Berth (All Fast)
14:12	Gangway in Place
15:40	Saybolt onboard before Operation
16:05	Commenced Initial Inspection
16:25	Completed Initial Inspection, Tank(s) Inspected and Accepted
16:45	Key Meeting
21:00	Hose / Arm Connected
21:30	Commenced filling shoreline
21:40	Completed filling shoreline
21:45	EOS sample drawn on jetty 624
22:45	Analyse end of shoreline released

### 06 Feb 2021 (Saturday)

00:17	Manifold sample taken and visual passed
00:18	COMMENCED LOADING
00:38	Suspended Loading for First Foot Sampling
00:55	Commenced first foot sampling
01:20	Completed first foot sampling
01:45	Analyse first foot sample released
02:45	Resumed Loading after First Foot Sampling
05:48	COMPLETED LOADING
15:45	Saybolt onboard after Operation

### 07 Feb 2021 (Sunday)

08:06	Hose / Arm Disconnected
15:50	Commenced Final Inspection
16:55	Completed Final Inspection and Calculations, Tank(s) Measured and Sampled
18:25	Documents on Board
20:30	Object Sailed / Departed

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## Summary Loading (GSV)

### Gross Standard Volume Data

GSV Figures	Loaded excl OBQ	Bill of Lading	Δ Quantity	Δ %
Liters 15°C	1,415,249	1,411,721	3,528	0.25
Barrels 60°F	8,905.30	8,883.10	22.20	0.25
US Gallons 60°F	374,023	373,090	933	0.25
Metric Tons Vac	1,204.521	1,201.476	3.045	0.25
Metric Tons Air	1,203.004	1,199.963	3.041	0.25
Long Tons Air	1,184.00	1,181.01	2.99	0.25

GSV Figures (VEF Adjusted)	Loaded adjusted by VEF	Bill of Lading	Δ Quantity	Δ %
Liters 15°C	1,416,240	1,411,721	4,519	0.32
Barrels 60°F	8,911.54	8,883.10	28.44	0.32

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Loaded	0.8511		34.66	0.8516	
Bill of Lading	0.8511	0.8480	34.66	0.8516	

### General Data

Vessel Loaded Ratio	1.00250
Vessel Experience Factor Based on 2nd average	0.9993

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## Certificate of Quantity

The undersigned Independent Saybolt Surveyor herewith declares that the quantity of product loaded by the above mentioned object amounts to:

		Gross
Liters 15°C	*	1,411,721
Barrels 60°F	*	8,883.10
US Gallons 60°F	*	373,090
Metric Tons vac	*	1,201.476
Metric Tons air		1,199.963
Long Tons	*	1,181.01

\* as calculated by Saybolt only.

These quantities have been determined by measurement of shore tanks.

B/L Dens. 15°C Vac	0.8511
B/L Density 20°C	0.8480
B/L Api 60°F	34.66
B/L RD 60/60°F	0.8516

### Additional data

Loadport	Vlaardingen, Netherlands
Destination	Italy

### Criteria used

Liters 15°C (1000) to US Barrels 60°F	MPMS 11.5.3 - 4.25	6.292390652
Liters 15°C to US Gallons 60°F	MPMS 11.5.3 - 4.24	0.2642804073
Metric Tons Air to Metric Tons Vac	MPMS 11.5.3 - 4.5	1.001260906
Metric Tons Air to Long Tons	MPMS 11.5 - Annex D	0.9842065

Signed by: Saybolt representative  
Name: M. van den Enden  
Rank: Saybolt Inspector

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## Ullage Report Departure

Survey Date and Time 06 Feb 2021 16:45

Dens. 15°C Vac

0.8511

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54D	GSV Liters 15°C
P4	1760	1452	776,559			776,559	17.10	0.99845	775,355
S6	1660	1331	641,080			641,080	17.50	0.99815	639,894
Totals			1,417,639			1,417,639			1,415,249

### Summary Totals

On-board figures	OBQ Information	Draft	Correction
GSV Liters 15°C	1,415,249	FORE m	4.00 TRIM m 3.00
TCV Liters 15°C	1,415,249	AFT m	7.00 LIST °

On-board figures	Loaded figures
GSV Liters 15°C	1,415,249
GSV Barrels 60°F	8,905.30
GSV US gallons 60	374,023
MT vac	1,204.521
MT air	1,203.004
LT	1,184.00
GSV Loaded Ltrs 15°C	1,415,249
GSV Loaded Bbls 60°F	8,905.30
GSV Loaded US Glns 60°F	374,023
MT Vac Loaded	1,204.521
MT Air Loaded	1,203.004
LT Loaded	1,184.00

Average Product Temp °C 17.28

Signed by: Ship's representative  
Name: Tayfun Akan  
Rank: Chief Officer

Saybolt representative  
A.J. Doornhof  
Saybolt Inspector

Measurements in accordance with API standards.

Saybolt Nederland B.V., P.O. Box 151, 3000 AD Rotterdam, The Netherlands  
Tel. +31 (0)10 46 09 911 FAX +31 (0)10 435 3600  
Website: www.saybolt.com E-mail: saybolt@corelab.com

Date: 07 Feb 2021 01:28  
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All our activities are carried out under Saybolt's terms and conditions, available at [www.corelab.com/saybolt/terms-conditions](http://www.corelab.com/saybolt/terms-conditions)  
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## Letter of Protest

Dear Sirs,

This is to advise that we, Saybolt, as Independent Surveyors on behalf of our clients do hereby lodge protest in respect of:

Quantity difference between:				
Bill of Lading figure and loading port ships figures, being	3.041	Metric Tons Air	0.25	%
Bill of Lading figure	1,199.963	Metric Tons Air		
Loading port ships figure	1,203.004	Metric Tons Air		

Furthermore, in order to protect the interest of our principals, we have to hold you fully responsible for all costs and consequences arising herefrom. We reserve the right to revert to this matter at a later date.

Signed by: Ship's representative  
Name: Tayfun Akan  
Rank: Chief Officer

Shore representative

Saybolt representative  
A.J. Doornhof  
Saybolt Inspector

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## Sample Receipt

I, undersigned representative of the above object hereby acknowledge receipt of samples as specified below. These samples have been delivered to me by the undersigned Saybolt Inspector.

Sample description	Saybolt Seal number(s)
Running from shore tank 6005 before loading	198756
End of shoreline 26 before loading	198749
First foot composite during loading	198769
Deck composite after loading	198803

Signed by:  
Name:  
Rank:

Saybolt representative  
A.J. Doornhof  
Saybolt Inspector



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## Sample Report

Grade	Description	Sealed	Distribution	Amount	Volume
EHC 50	Shore tank 6005:Running from shore tank before loading	Open	Retain	1	1 liters
EHC 50	Shore tank 6005:Dead bottom from shore tank before loading	Open	Retain	1	0.25 liters
EHC 50	Shore tank 6005:Single tank composite from shore tank before loading	Open	Retain	1	1 liters
EHC 50	End of shoreline near jetty at jetty before loading	Open	Retain	1	1 liters
EHC 50	Shore line 26 end of shoreline at jetty 10 % before loading from Shore tank 6005	Open	Retain	1	1 liters
EHC 50	Vessel MED BALTIC manifold before loading from Shore tank 6005	Open	Retain	1	1 liters
EHC 50	TV MED BALTIC:Foot from ships tanks during loading	Open	Retain	2	1 liters
EHC 50	TV MED BALTIC:First Foot Deck-composite from ships tanks during loading	Open	Retain	1	1 liters
EHC 50	TV MED BALTIC:Running from ships tanks after loading	Open	Retain	4	1 liters
EHC 50	TV MED BALTIC:Dead bottom from ships tanks after loading	Open	Retain	2	0.25 liters
EHC 50	TV MED BALTIC:Deck-composite from ships tanks after loading	Open	Retain	1	1 liters
EHC 50	Shore tank 6005 running before loading into Vessel MED BALTIC	198756	Recievers	1	1 liters
EHC 50	Shore line 26 end of shoreline at jetty 624 before loading into Vessel MED BALTIC	198749	Recievers	1	1 liters
EHC 50	Vessel MED BALTIC deck composite First foot before loading from Shore tank 6005	198769	Recievers	1	1 liters
EHC 50	Vessel MED BALTIC deck composite after loading from Shore tank 6005	198803	Recievers	1	1 liters
<b>Total Samples</b>				<b>20</b>	

### Information

Samples drawn by	Saybolt Inspector
Shoretank sampling location	Top of tank
Type / condition of sampling containers	Clean plastic bottles
Loadport samples delivered by	Saybolt
received by	Vessel
Loadport sample seal numbers	See Sample List

### Remarks:

Samples retained by Saybolt will be held for 90 days (unless otherwise specified) at the end of which they shall be disposed of.

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## Shore Tank Report Single

### Shore tank 6005 at Vopak Terminal Vlaardingen

Shore tank measurement		Open	Close
Date / Time of measurement		05 Feb 2021 15:01	06 Feb 2021 06:43
Average Innage	m m	Vms	Vms
Average temp.	°C	16.20	20.40
T.O.V.	Liters	5,633,489	4,233,399
G.O.V.	Liters	5,633,489	4,233,399
Dens 15°C	kg/l	0.8511	0.8511
V.C.F.	54D	0.99911	0.99601
G.S.V.	liters 15°C	5,628,187	4,216,466
Main Table 56	MPMS 11.5.3.4.7	0.85000	0.85000
Metric Tons Air		4,783.959	3,583.996

Totals			GSV		NSV
T.O.V.	Liters	1,400,090	Liters 15°C	1,411,721	
G.O.V.	Liters	1,400,090	Barrels 60°F	8,883.10	
			US Gallons 60°F	373,090	
Density 15°C	kg/l	0.8511	Metric Tons Vac	1,201.476	
RD 60/60°F		0.8516	Metric Tons Air	1,199.963	
API 60°F		34.66	Long Tons Air	1,181.01	

Average Temp. °C 3.50

Tables used: 54D and W.C.F. MPMS 11.5.3.4.7.

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## Tank Inspection Report

Information supplied by ship's officers or ship's log cannot be guaranteed as accurate and no liability can be assumed for errors that result from improper information supplied. The responsibility for such information must rest with the ship and her officers.

Date of Inspection:	05 Feb 2021
Time of Inspection:	16:25
Last cargo	Gasoil
Second last cargo	Gasoil/Gasoline
Third last cargo	SN 500
Method said to be used to clean tanks	BW 60min Hot SW, Rinse 20min FW, Vent/Mopp/Dry
Method said to be used to clean line system	
Are any tanks coated	Yes
Which tanks and type of coating	Marine Line

This is to advise that on the above date we carried out a visual inspection from deck-level of the following tanks: P4, S6

From such visual inspection, and from information as supplied by ship's officers, we consider that said tanks are substantially Suitable to load the nominated cargo

Whilst every effort has been made to comply with tank inspection instructions we can not be held responsible for those areas beyond visual inspection (such as pumps, lines, closed or restricted sample system) and/or the effectiveness of advised tank cleaning methods.

Sea-valves sealed and numbered:

Signed by: Ship's representative  
Name: Tayfun Akan  
Rank: Chief Officer

Saybolt representative  
R. Raap  
Saybolt Inspector

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## Vessel Experience Report

Voyage number	Grade	Port	Date	Ship's Sailing Metric Tons	OBQ Metric Tons	B/L Metric Tons	Difference Metric Tons	VLR Ship / Shore	Qual. voyage
1st 16/20	Crude Glycerine	Castellon	04 Nov 2021	2,049.674		2,046.701	2.973	1.00145	yes
2nd 63	Gasoil	Jorf Lasfar	24 Jan 2021	7,537.805		7,539.733	-1.928	0.99974	yes
3rd 62c	Gasoil	Sines	07 Jan 2021	4,502.081		4,507.359	-5.278	0.99883	yes
4th 62b	Jet A1 (kerosene)	Sines	07 Jan 2021	991.288		993.113	-1.825	0.99816	yes
5th 62a	Gasoline	Sines	07 Jan 2021	1,478.252		1,480.681	-2.429	0.99836	yes
6th 61	Base Oil	Kaliningrad	27 Dec 2020	7,367.879		7,376.000	-8.121	0.99890	yes
7th 60	Urea A-1 Sollution %32.5	Brunsbüttel	13 Dec 2020	5,459.150		5,460.000	-0.850	0.99984	yes
8th 59	Burning Kero	Rotterdam	11 Dec 2020	6,911.292		6,918.564	-7.272	0.99895	yes
9th 16/20 3	Crude Glycerine	Ferrol	10 Dec 2020	1,445.846		1,445.890	-0.044	0.99997	yes
10th 58	Fame	Rotterdam	05 Dec 2020	5,991.513		5,999.418	-7.905	0.99868	yes
11th 56	Ulsd 10 Ppm	V.56	27 Nov 2020	6,678.259		6,671.600	6.659	1.00100	yes
12th 55	Gasoil F-76	Gothenburg	27 Nov 2020	4,571.890		4,583.546	-11.656	0.99746	yes
13th 16/20	Crude Glycerine	Ferrol	10 Nov 2020	1,445.846		1,445.890	-0.044	0.99997	yes
14th 16/20 2	Crude Glycerine	Cartagena	06 Nov 2020	897.785		896.703	1.082	1.00121	yes
15th 16/20	Crude Glycerine	Cartagena	06 Nov 2020	897.785		896.703	1.082	1.00121	yes
16th 16/20	Crude Glycerine	Castellon	04 Nov 2020	2,049.674		2,046.701	2.973	1.00145	yes
17th 15/20	White Spirit	Thessaloniki	16 Oct 2020	1,575.136		1,581.100	-5.964	0.99623	yes
18th 14/20 2	Fame	Varna	04 Oct 2020	874.431		876.508	-2.077	0.99763	yes
19th 14/20	Fame	Varna	04 Oct 2020	874.431		876.508	-2.077	0.99763	yes
20th 14/20	Ulsd 10 Ppm	Tuapse	01 Oct 2020	6,081.856	-	6,135.425	-53.569	0.99127	no
Totals				69,681.873		69,778.143			
Qualifying Totals				63,600.017		63,642.718			

First average (Total Ship/Total Shore)

+ 0.3% of first average (excl. gross errors)

Second average (Qualifying Total Ship/ Qualifying Total Shore)

+ 0.3% of second average

0.99862

1.00162

0.99933

1.00233

- 0.3% 0.99562

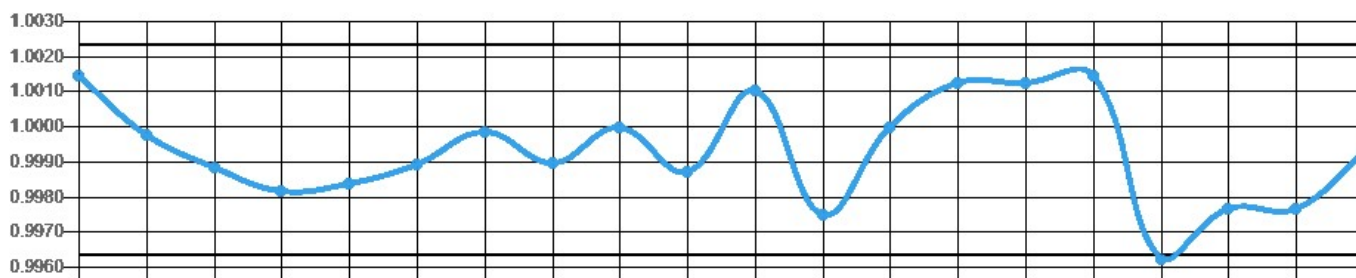
- 0.3% 0.99633

### Vessel Experience Factor based on second average

**0.9993**

The above mentioned quantities are for the last 20 voyages obtained from ship record and can not be guaranteed as accurate by Saybolt. No liability can be assumed for errors resulting from improper information supplied by the vessel.

The resulting VEF has been calculated in accordance with the latest method published by the Energy Institute and the API as API MPMS 17.9 / Energy Institute HM 49, unless as otherwise noted and with the agreement of interested parties.



Voyages excluded:

A. Gross error voyages

B. Voyages where only vessel tank measurements were available.

C. All voyages prior to any changes to measurement equipment, tables, vessel's structure, or other changes requiring the issuance of new capacity tables

Signed by: Ship's representative

Name: Tayfun Akan

Rank: Chief Officer

Saybolt representative

Saybolt Inspector

Saybolt Nederland B.V., P.O. Box 151, 3000 AD Rotterdam, The Netherlands

Tel. +31 (0)10 46 09 911 FAX +31 (0)10 435 3600

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SAUL4 VEF V4.0.10.11 2019/10/30

Date: 07 Feb 2021 01:28

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