

EXXONMOBIL PETROLEUM & CHEMICAL BVBA  
RU 2235  
POLDERDIJKWEG 3  
B-2030 ANTWERPEN  
Belgium  
ExxonMobil Scheduler  
AF20240 (Fuchs)



Job No 12004/00125173.0000/01/I/20  
Report date 01 Sep 2020  
Installation Vlaardingen, Netherlands, Vopak Terminal Vlaardingen

**Vessel STOLT EBONY**  
**Product AP/E Core 2500**

Bill of Lading date: 30-Aug-2020

**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 9 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 figure amounts to Gross	Metric Tons Air	300.015	
Bill of Lading date		30 Aug 2020	
Average product temperature onboard	°C	47.20	
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)		5011	
Type of Standpipe of shore tank(s)		Slotted	
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		S8	
Type of standpipes of vessel tanks		Slotted	
Vessel tank measurement were carried out with		Vessel/barge equipment/ATG	by Automatic Tank Gauge
Sea Condition		Calm (glassy) - 0 m (0 ft)	
Weather condition		Cloudy	
Operational data			
Agreed Pump rate	Cbm/hr	200	
Ambient outside temperature at loading		20.00	
Quality has been determined by		Shore	

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## Time Log

26 Aug 2020 (Wednesday)	
22:00	Notice of Readiness Tendered
29 Aug 2020 (Saturday)	
12:15	Pilot on Board
12:55	Cast off Vopak Botlek 5
13:57	First Line Ashore
14:30	Moored Alongside Berth (All Fast) 624
14:30	Notice of Readiness Received
14:30	Delay: shore line occupied (20 hours and 35 minutes)
14:35	Gangway in Place
15:30	Saybolt onboard before Operation
15:34	Key Meeting
15:35	Commenced Initial Inspection
16:30	Completed Initial Inspection, Tank(s) Inspected and Accepted
30 Aug 2020 (Sunday)	
11:06	Arm Connected
11:07	COMMENCED LOADING
12:50	COMPLETED LOADING
12:51	After loading vessel remained alongside for loading other parcels
12:57	Arm Disconnected
31 Aug 2020 (Monday)	
07:10	Saybolt onboard after Operation
07:35	Commenced Final Inspection
08:45	Completed Final Inspection and Calculations, Tank(s) Measured and Sampled
08:50	Documents on Board
10:04	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	1,886,262	334,092	1,552,170	464.59
Barrels 60°F	11,868.86	2,102.20	9,766.66	464.59
US Gallons 60°F	498,492	88,292	410,200	464.59
Metric Tons Vac	1,695.947	300.371	1,395.576	464.62
Metric Tons Air	1,693.939	300.015	1,393.924	464.62
Long Tons Air	1,667.19	295.28	1,371.91	464.61

GSV Figures (VEF Adjusted)	Loaded adjusted by VEF	Bill of Lading	Δ Quantity	Δ %
Liters 15°C	1,886,262	334,092	1,552,170	464.59
Barrels 60°F	11,868.86	2,102.20	9,766.66	464.59

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Loaded	0.8991		25.79	0.8996	
Bill of Lading	0.8991	0.8960	25.79	0.8996	

### General Data

Vessel Loaded Ratio 5.64594

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## Sample Report

Grade	Description	Sealed	Distribution	Amount	Volume
AP/E Core 2500	Shore tank 5011:Running from shore tank before loading	Open	Retain	1	1 liters
AP/E Core 2500	Shore tank 5011:Dead bottom from shore tank before loading	Open	Retain	1	0.25 liters
AP/E Core 2500	End of shoreline at jetty before loading	Open	Retain	1	1 liters
AP/E Core 2500	TV STOLT EBONY:Pumpstack from ships tanks after loading	Open	Retain	3	1 liters
AP/E Core 2500	Shore tank 5011:Running from shore tank before loading	213618	Retain	1	1 liters
AP/E Core 2500	End of shoreline at jetty before loading	213646	Retain	1	1 liters
AP/E Core 2500	TV STOLT EBONY:Pumpstack from ships tanks after loading	213649	Retain	1	1 liters
<b>Total Samples</b>				<b>9</b>	

Vessel's samples were taken using vessel's closed sampling system.

### 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 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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## 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:	29 Aug 2020
Time of Inspection:	14:30
Last cargo	Alpha Olefin C10
Second last cargo	Phosphoric Acid
Third last cargo	nexbase 3050
Method said to be used to clean tanks	Bwasw. 1hr., Bwhsw. 3 hrs., Fw.rinse 10 mins., Vmd
Method said to be used to clean line system	See tank cleaning
Are any tanks coated	No
Which tanks and type of coating	Stainless Steel

This is to advise that on the above date we carried out a visual inspection from deck-level of the following tanks: S8

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: R. Ebuenga  
Rank: Chief Officer

Saybolt representative  
L.T van den Langenberg  
Saybolt Inspector

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## Shore Tank Report Single

### Shore tank 5011 at Vopak Terminal Vlaardingen

Shore tank measurement		Open	Close
Date / Time of measurement		30 Aug 2020 10:56	30 Aug 2020 12:56
Average Innage	m m	Vms	Vms
Average temp.	°C	51.20	51.30
T.O.V.	Liters	1,837,218	1,494,593
G.O.V.	Liters	1,837,218	1,494,593
Dens 15°C	kg/l	0.8991	0.8991
V.C.F.	54D	0.97454	0.97447
G.S.V.	liters 15°C	1,790,571	1,456,479
Main Table 56	MPMS 11.5.3.4.7	0.89800	0.89800
Metric Tons Air		1,607.933	1,307.918

Totals		GSV	NSV
T.O.V.	Liters	342,625	Liters 15°C 334,092
G.O.V.	Liters	342,625	Barrels 60°F 2,102.20
			US Gallons 60°F 88,292
Density 15°C	kg/l	0.8991	Metric Tons Vac 300.371
RD 60/60°F		0.8996	Metric Tons Air 300.015
API 60°F		25.79	Long Tons Air 295.28

Average Temp. °C 50.76

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

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**Ullage Report Departure**

Survey Date and Time 31 Aug 2020 08:45

Dens. 15°C Vac

0.8991

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54D	GSV Liters 15°C
S8	2577		1,929,936			1,929,936	47.20	0.97737	1,886,262
Totals			1,929,936			1,929,936			1,886,262

**Summary Totals**

On-board figures	OBQ Information	Draft	Correction
GSV Liters 15°C	1,886,262	FORE m	8.25 TRIM m
TCV Liters 15°C	1,886,262	AFT m	9.85 LIST °

On-board figures	Loaded figures
GSV Liters 15°C	1,886,262 GSV Loaded Ltrs 15°C
GSV Barrels 60°F	11,868.86 GSV Loaded Bbls 60°F
GSV US gallons 60	498,492 GSV Loaded US Glns 60°F
MT vac	1,695.947 MT Vac Loaded
MT air	1,693.939 MT Air Loaded
LT	1,667.19 LT Loaded

**Remarks**

Commingled loading with bl's 198.528 mt/air and 1198.619 mt/air

Ship;s fig : 1693.939 mt/air  
 Bl. fig : 1697.162 mt/air  
 Diff.-3223 kos/air.(0.19%)

Signed by: Ship's representative  
 Name: R. Ebuenga  
 Rank: Chief Officer

Saybolt representative  
 Mas de Vries  
 Saybolt Inspector

Measurements in accordance with API standards.



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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	*	334,092
Barrels 60°F	*	2,102.20
US Gallons 60°F	*	88,292
Metric Tons vac	*	300.371
Metric Tons air		300.015
Long Tons	*	295.28

*\* as calculated by Saybolt only.*

These quantities have been determined by measurement of shore tanks.

B/L Dens. 15°C Vac	0.8991
B/L Density 20°C	0.8960
B/L Api 60°F	25.79
B/L RD 60/60°F	0.8996

### Additional data

Loadport	Vlaardingen, Netherlands
Destination	Durban

### Criteria used

Liters 15°C (1000) to US Barrels 60°F	MPMS 11.5.3 - 4.25	6.292264755
Liters 15°C to US Gallons 60°F	MPMS 11.5.3 - 4.24	0.2642751197
Metric Tons Air to Metric Tons Vac	MPMS 11.5.3 - 4.5	1.001185487
Metric Tons Air to Long Tons	MPMS 11.5 - Annex D	0.9842065

Signed by: Saybolt representative  
Name: L. van den Langenberg  
Rank: Saybolt Inspector