

ESSO NEDERLAND BV
CON/PMI
POSTBUS 1
4803AA BREDA
Netherlands
ExxonMobil Soir
INTV009FIN-2107-0056



Job No 12004/00133851.0000/01/I/21
Report date 30 Jul 2021
Installation Rotterdam, Netherlands, Esso Refinery Botlek

Vessel EXCELLO
Product VGO LOW SULFUR

Outturn date: 28 Jul 2021

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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: Judith Kram

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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Outturn date: 28 Jul 2021

Time Log

24 Jul 2021 (Saturday)	
07:00	End of Sea Passage
08:00	Notice of Readiness Tendered
08:00	Anchor Down
13:50	Anchor Up
14:20	Pilot on Board
16:45	First Line Ashore
17:10	Moored Alongside Berth (All Fast)
17:10	Notice of Readiness Received
17:20	Gangway in Place
17:55	Saybolt onboard before Operation
18:05	Hose Connected
18:10	Key Meeting
18:15	Commenced Initial Inspection
19:10	Completed sampling
19:20	Samples delivered to on-site Laboratory
20:15	Commenced measuring
20:50	Completed Initial Inspection and Calculations, Tank(s) Measured and Sampled
20:51	Delay: Awaiting shore readiness (31 hours and 18 minutes)
26 Jul 2021 (Monday)	
04:10	COMMENCED DISCHARGE
28 Jul 2021 (Wednesday)	
02:32	COMPLETED DISCHARGE
02:40	Saybolt onboard after Operation
02:55	Commenced Final Inspection
04:00	Completed Final Inspection and Calculations, Tank(s) Inspected on Emptiness
04:15	Hose / Arm Disconnected
06:00	Object Sailed / Departed

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Summary Discharge (GSV)

Gross Standard Volume Data

GSV Figures	Loadport Incl OBQ	Disport Incl ROB	Δ Quantity	Δ %
Liters 15°C	18,203,918	18,223,516	19,598	0.11
Barrels 60°F	114,547.31	114,670.63	123.32	0.11
US Gallons 60°F	4,810,987	4,816,166	5,179	0.11
Metric Tons Vac	16,754.886	16,772.924	18.038	0.11
Metric Tons Air	16,735.564	16,753.581	18.017	0.11
Long Tons Air	16,471.25	16,488.98	17.73	0.11

GSV Figures	Loadport Excl OBQ	Disport Excl ROB	Δ Quantity	Δ %
Liters 15°C	18,203,918	18,221,881	17,963	0.10
Barrels 60°F	114,547.31	114,660.34	113.03	0.10
US Gallons 60°F	4,810,987	4,815,734	4,747	0.10
Metric Tons Vac	16,754.886	16,771.419	16.533	0.10
Metric Tons Air	16,735.564	16,752.078	16.514	0.10
Long Tons Air	16,471.25	16,487.50	16.25	0.10

GSV Figures	Bill of Lading	Shore receipt	Δ Quantity	Δ %
Liters 15°C	18,182,304			
Barrels 60°F	114,411.30			
US Gallons 60°F	4,805,275			
Metric Tons Vac	16,734.993			
Metric Tons Air	16,714.992			
Long Tons Air	16,451.69			

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Discharged	0.9204	0.9169	22.15	0.9209	
Bill of Lading	0.9204	0.9169	22.15	0.9209	

ROB / OBQ Data	Non Liquid	Liquid Oil	Free water	Total Volume
ROB Liters		1,635		1,635
ROB Barrels		10.28		10.28

General Data

Vessel Experience Factor Based on 2nd average 1.0009

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Sample Report

Grade	Description	Sealed	Distribution	Amount	Volume
VGO LOW SULFUR	Vessel EXCELLO running samples before discharge	Open	Retain	14	1.0 liters
VGO LOW SULFUR	Vessel EXCELLO deck composite before discharge	Open	Retain	1	5.0 liters
VGO LOW SULFUR	Vessel EXCELLO loadport samples	Open	Retain	2	3.0 liters
Total Samples				17	

Information

Samples drawn by	Saybolt Inspector
Shoretank sampling location	Top of tank
Type / condition of sampling containers	Clean glass bottles/tins
Loadport samples delivered by	N/A
received by	N/A
Loadport sample seal numbers	N/A

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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Vessel EXCELLO
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Outturn date: 28 Jul 2021

OBQ Report

Survey Date and Time

Tank	Total Observed Volume		Liquid Oil	Non-Liquid		Free water
	sounding mm	Volume Liters		sounding mm	Volume Liters	
P1	NIL		NIL	NIL		NIL
S1	NIL		NIL	NIL		NIL
P2	NIL		NIL	NIL		NIL
S2	NIL		NIL	NIL		NIL
P3	NIL		NIL	NIL		NIL
S3	NIL		NIL	NIL		NIL
P4	NIL		NIL	NIL		NIL
S4	NIL		NIL	NIL		NIL
P5	NIL		NIL	NIL		NIL
S5	NIL		NIL	NIL		NIL
P6	NIL		NIL	NIL		NIL
S6	NIL		NIL	NIL		NIL
P7	NIL		NIL	NIL		NIL
S7	NIL		NIL	NIL		NIL

Summary Totals

On-board figures		Draft		Corrections	
Total Observed Volume	Liters	Fore	m	Trim	m
Free Water	Liters	Aft	m	List	°
Gross Observed Volume	Liters	Sea water temperature			
Liquid Volume	Liters	Ambient temperature			
Non-Liquid Volume	Liters	Trim/List correction applied?			
		Wedge formula applied?			

Remarks

1. Above volumes presumed to be at standard temperature unless otherwise noted.
 2. Above volumes exclude any clingage.
 3. Measurements are taken at one point only unless otherwise stated.
- Sounding and volume copied from loadport recalculate by Saybolt

Signed by: Ship's representative
Name: A. Ohm
Rank: Chief Officer

Saybolt representative

Saybolt Inspector

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Vessel EXCELLO
Product VGO LOW SULFUR

Outturn date: 28 Jul 2021

Ullage Report LoadPort

Survey Date and Time 24 Jul 2021 20:37

Dens.15°C Vac

0.9204

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54B	GSV Liters 15°C
P1	1213		1,110,055			1,110,055	73.80	0.95543	1,060,580
S1	1242		1,105,640			1,105,640	73.60	0.95558	1,056,527
P2	1474		1,424,550			1,424,550	70.90	0.95765	1,364,220
S2	1456		1,414,885			1,414,885	70.80	0.95772	1,355,064
P3	2107		1,413,990			1,413,990	70.40	0.95803	1,354,645
S3	2105		1,424,900			1,424,900	70.20	0.95818	1,365,311
P4	2173		1,644,210			1,644,210	71.00	0.95757	1,574,446
S4	2185		1,642,170			1,642,170	70.80	0.95772	1,572,739
P5	2045		1,667,075			1,667,075	71.50	0.95719	1,595,708
S5	2056		1,665,180			1,665,180	71.50	0.95719	1,593,894
P6	205		1,418,650			1,418,650	71.20	0.95742	1,358,244
S6	2034		1,410,395			1,410,395	71.40	0.95726	1,350,115
P7	4270		789,860			789,860	71.80	0.95696	755,864
S7	3566		884,710			884,710	71.90	0.95688	846,561
Totals			19,016,270			19,016,270			18,203,918

Summary Totals

On-board figures	OBQ Information	Draft	Correction
GSV Liters 15°C	18,203,918	FORE m	9.00 TRIM m -0.30
TCV Liters 15°C	18,203,918	AFT m	9.30 LIST °

On-board figures

GSV Liters 15°C	18,203,918	Average Product Temp °C	71.38
GSV Barrels 60°F	114,547.31		
GSV US gallons 60	4,810,987		
MT vac	16,754.886		
MT air	16,735.564		
Kilos air	16,735,564		
LT	16,471.25		

Equipment used

Gauge Equipment Type	Vessel/barge equipment/ATG	Temperature Equipment Type	Vessel/barge equipment/ATG
Gauge Equipment Used	UTI	Temperature Equipment Used	UTI

Remarks

Ullages and temperatures copied from load port, recalculated by Saybolt.

Signed by: Ship's representative
Name: A. Ohm
Rank: Chief Officer

Saybolt representative

Saybolt Inspector

Measurements in accordance with API standards.

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Ullage Report Arrival

Survey Date and Time 24 Jul 2021 20:37

Dens.15°C Vac

0.9204

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54B	GSV Liters 15°C
P1	1251		1,106,200			1,106,200	67.00	0.96063	1,062,649
S1	1273		1,102,720			1,102,720	67.10	0.96055	1,059,218
P2	1503		1,421,430			1,421,430	67.60	0.96017	1,364,814
S2	1468		1,414,305			1,414,305	67.30	0.96040	1,358,299
P3	2136		1,410,850			1,410,850	67.20	0.96048	1,355,093
S3	2117		1,424,300			1,424,300	67.10	0.96055	1,368,111
P4	2200		1,641,300			1,641,300	67.70	0.96010	1,575,812
S4	2203		1,640,775			1,640,775	67.50	0.96025	1,575,554
P5	2072		1,663,650			1,663,650	67.90	0.95994	1,597,004
S5	2071		1,663,820			1,663,820	68.00	0.95987	1,597,051
P6	2086		1,413,450			1,413,450	67.60	0.96017	1,357,152
S6	2050		1,407,450			1,407,450	67.70	0.96010	1,351,293
P7	4316		782,545			782,545	63.10	0.96361	754,068
S7	3582		881,430			881,430	66.00	0.96139	847,398
Totals			18,974,225			18,974,225			18,223,516

Summary Totals

On-board figures	ROB Information	Draft	Correction
GSV Liters 15°C	18,223,516 ROB LIQUID OIL	1,635 FORE m	9.00 TRIM m -0.30
TCV Liters 15°C	18,223,516 ROB TOTAL VOLUME	1,635 AFT m	9.30 LIST °

On-board figures	Discharged figures
GSV Liters 15°C	18,223,516 GSV Disch. Ltrs 15°C
GSV Barrels 60°F	114,670.63 GSV Disch. Bbls 60°F
GSV US gallons 60	4,816,166 GSV Disch. US Glns 60°F
MT vac	16,772.924 MT Vac Disch.
MT air	16,753.581 MT Air Disch.
Kilos air	16,753,581 Kilo Air Disch.
LT	16,488.98 LT Disch.

Equipment used	
Gauge Equipment Type	Vessel/barge equipment/ATG
Gauge Equipment Used	UTI

Signed by: Ship's representative
Name: A. Ohrn
Rank: Chief Officer

Saybolt representative
D. Roumegous
Saybolt Inspector

Measurements in accordance with API standards.

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ROB Report

Survey Date and Time 28 Jul 2021 03:55

Tank	Total Observed Volume		Liquid Oil		Non-Liquid		Free water	
	sounding mm	Volume Liters	sounding mm	Volume Liters	sounding mm	Volume Liters	sounding mm	Volume Liters
P1	30	50	30	50				
S1	20	100	20	100				
P2	10	45	10	45				
S2	10	45	10	45				
P3	50	330	50	330				
S3	10	45	10	45				
P4	10	40	10	40				
S4	10	40	10	40				
P5	10	220	10	220				
S5	5	180	5	180				
P6	10	200	10	200				
S6	10	340	10	340				
P7			nil	0				
S7			nil	0				

Summary Totals

On-board figures		Draft		Corrections	
Total Observed Volume	Liters	1,635	Fore m	4.50	Trim m
Free Water	Liters		Aft m	6.70	List °
Gross Observed Volume	Liters	1,635	Sea water temperature		
Liquid Volume	Liters	1,635	Ambient temperature		
Non-Liquid Volume	Liters		Trim/List correction applied?		
			Wedge formula applied?		

Remarks

1. Above volumes presumed to be at standard temperature unless otherwise noted.
2. Above volumes exclude any clingage.
3. Measurements are taken at one point only unless otherwise stated.

Signed by: Ship's representative
Name: A. Ohm
Rank: Chief Officer

Saybolt representative
D. Roumegous
Saybolt Inspector

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Vessel Experience Report

Voyage number	Grade	Port	Date	Ship's Sailing Cubic Meters	OBQ Cubic Meters	B/L Cubic Meters	Difference Cubic Meters	VLR Ship / Shore	Qual. voyage
last 1	Condensate	Kaliningrad	07 Jul 2021	16,224.460		16,239.140	-14.680	0.99910	yes
2nd 2	Crude Oil	Ambes	26 Jun 2021	18,498.095		18,496.391	1.704	1.00009	yes
3rd 3	Crude Oil	Ambes	03 Mar 2021	18,488.910		18,471.779	17.131	1.00093	yes
4th 4	Fuel Oil	Stigsnaes	23 May 2021	19,189.314		19,162.990	26.324	1.00137	yes
5th 5	Crude Oil	STS Apatykh	18 May 2021	12,179.299		12,179.299			
6th 6	Crude Oil	STS Icarus III	18 May 2021	5,729.141		5,729.141			
7th 7	Crude Oil	Ambes	02 May 2021	18,556.643		18,547.934	8.709	1.00047	yes
8th 8	Crude Oil	Ambes	04 Apr 2021	18,682.392		18,659.000	23.392	1.00125	yes
9th 9	HSSRFO	Gdansk	03 Mar 2021	12,633.299		12,612.002	21.297	1.00169	yes
10th 10	VGO	Amsterdam	25 Mar 2021	3,958.694		3,963.642	-4.948	0.99875	yes
11th 11	VGO	St. Petersburg	14 Mar 2021	15,174.627		15,193.388	-18.761	0.99877	yes
12th 12	HSSRFO	Gdansk	27 Feb 2021	43,270.549	-	43,208.486	62.063	1.00470	no
13th 13	LSSRFO	Oxelösund	13 Feb 2021	16,516.216		16,493.726	22.490	1.00136	yes
14th 14	Crude Oil	Ambes	26 Jan 2021	17,572.127		17,533.112	39.015	1.00223	yes
15th 15	Slurry	Port Jerome	16 Jan 2021	9,344.930		9,332.320	12.610	1.00135	yes
16th 16	LCO	Port Jerome	16 Jan 2021	6,852.243		6,843.024	9.219	1.00135	yes
17th 17	LSFO	Bilbao	22 Dec 2020	18,407.036		18,385.892	21.144	1.00115	yes
18th 18	LSFO	Brofjorden	13 Dec 2020	16,449.495		16,449.193	0.302	1.00002	yes
19th 19	VGO	Antwerp	05 Dec 2020	17,373.780		17,325.001	48.779	1.00282	yes
20th 20	HCB	Rotterdam	09 Nov 2020	14,982.973		14,971.122	11.851	1.00079	yes
Totals									
Totals				272,175.783		271,888.142			
Qualifying Totals				258,905.234		258,679.656			

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

1.00106

1.00406

1.00087

1.00387

- 0.3% 0.99806

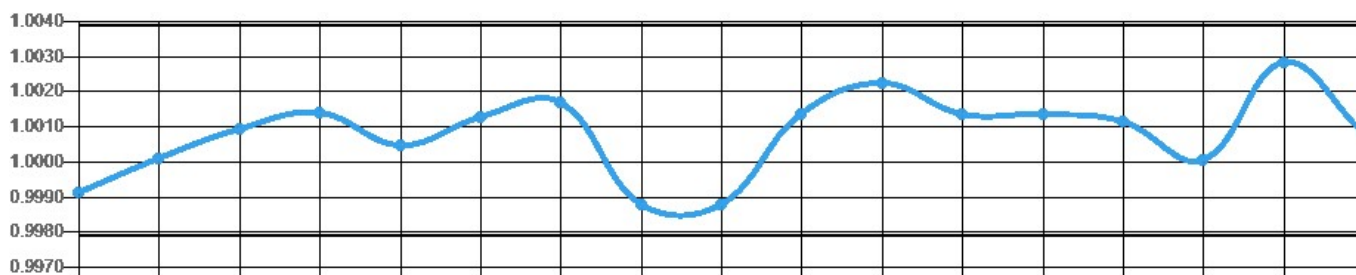
- 0.3% 0.99787

Vessel Experience Factor based on second average

1.0009

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: A. Ohm

Rank: Chief Officer

Saybolt representative

Saybolt Inspector

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

Website: www.saybolt.com E-mail: saybolt@corelab.com

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SAIL4 VEF V4.0.10.11 2019/10/30

Date: 30 Jul 2021 14:54

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