

EXXONMOBIL PETROLEUM & CHEMICAL BV
RU 2235
POLDERDIJKWEG 3
B-2030 ANTWERPEN
Belgium
ExxonMobil Nwe Scheduler
NW20343



Job No 12004/00129042.0000/01/I/21
Report date 02 Jan 2021
Installation Vlaardingen, Netherlands, Vopak Terminal Vlaardingen

Vessel LS ANNE
Product AP/E Core 150, AP/E CORE 600

Outturn date: 31 Dec 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 19 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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Vessel LS ANNE
Product AP/E Core 150

Cover Page Discharge

Discharge data

Quantity data			
Outturn is based on:		Shore tank measurements	
Outturn figure amounts to GSV	Liters 15°C	2,310,589	
Outturn date		31 Dec 2020	
Loadport		PJG	
B/L Date		26 Dec 2020	
Average product temperature onboard	°C	21.02	
Calculation data			
Shore tank Volume conversion table used		54D	
Vessel Volume conversion table used		54D	
Shore data			
Discharge Installation		Vopak Terminal Vlaardingen	
Shore tank number(s)		5015	
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		P2, S2, P5, S5	
Type of standpipes of vessel tanks		Slotted	
Vessel tank measurement were carried out with		Vessel/barge equipment/ATG	by UTI
Vessel tank measurement equipment number		G13775	
Vessel tank temperature equipment number		G13775	
Sea Condition		Smooth (wavelets) - 0.1 to 0.5 m (3.9 in to 1 ft 7.7 in)	
Weather condition		Rainy	
Operational data			
Ambient outside temperature at discharge		4.00	

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Vessel LS ANNE
Product AP/E CORE 600

Cover Page Discharge

Discharge data

Quantity data			
Outturn is based on:		Shore tank measurements	
Outturn figure amounts to GSV	Liters 15°C	3,405,851	
Outturn date		31 Dec 2020	
Loadport		PJG	
B/L Date		27 Dec 2020	
Average product temperature onboard	°C	38.57	
Calculation data			
Shore tank Volume conversion table used		54D	
Vessel Volume conversion table used		54D	
Shore data			
Discharge Installation		Vopak Terminal Vlaardingen	
Shore tank number(s)		5032, 5031	
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		P1, S1, P3, S3, P4, S4	
Type of standpipes of vessel tanks		Slotted	
Vessel tank measurement were carried out with		Vessel/barge equipment/ATG	by UTI
Vessel tank measurement equipment number		G13775	
Vessel tank temperature equipment number		G13775	
Sea Condition		Smooth (wavelets) - 0.1 to 0.5 m (3.9 in to 1 ft 7.7 in)	
Weather condition		Rainy	
Operational data			
Ambient outside temperature at discharge		4.00	

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 Installation Vlaardingen, Netherlands, Vopak Terminal Vlaardingen

Vessel LS ANNE
Product AP/E CORE 600

Outturn date: 31 Dec 2020

Time Log

28 Dec 2020 (Monday)	
16:30	End of Sea Passage
16:30	Notice of Readiness Tendered
17:00	Anchor Down
30 Dec 2020 (Wednesday)	
07:00	Anchor Up
08:12	Pilot on Board
11:18	First Line Ashore
11:30	Notice of Readiness Received
11:36	Moored Alongside Berth (All Fast)
11:45	Saybolt onboard before Operation
11:50	Commenced Initial Inspection
13:00	Completed Initial Inspection and Calculations, Tank(s) Measured and Sampled
13:00	Manifold sample drawn
13:40	Manifold sample released
13:43	Hose / Arm Connected
13:50	Analysis Results Released to Installation
14:14	COMMENCED DISCHARGE
14:27	Suspended Discharge, line fill completed
14:30	Line sample drawn
15:20	Line sample released
15:37	Resumed Discharge
31 Dec 2020 (Thursday)	
03:53	COMPLETED DISCHARGE
04:30	Commenced emptiness inspection
05:00	Completed emptiness inspection
15:37	Saybolt onboard after Operation
15:38	Commenced Final Inspection
15:55	Completed Final Inspection and Calculations, Tank(s) Inspected on Emptiness
18:30	Object Sailed / Departed

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 Installation Vlaardingen, Netherlands, Vopak Terminal Vlaardingen

Vessel LS ANNE
Product AP/E Core 150

Outturn date: 31 Dec 2020

Time Log

28 Dec 2020 (Monday)	
16:30	End of Sea Passage
16:30	Notice of Readiness Tendered
17:00	Anchor Down
30 Dec 2020 (Wednesday)	
07:00	Anchor Up
08:12	Pilot on Board
11:18	First Line Ashore
11:30	Notice of Readiness Received
11:36	Moored Alongside Berth (All Fast)
11:45	Saybolt onboard before Operation
11:50	Commenced Initial Inspection
13:00	Completed Initial Inspection and Calculations, Tank(s) Measured and Sampled
13:00	Manifold sample drawn
13:50	Analysis Results Released to Installation
31 Dec 2020 (Thursday)	
04:36	COMMENCED DISCHARGE
04:48	Suspended Discharge
05:05	Shoreline 25 sample taken
06:15	Shoreline 25 sample released
06:31	Resumed discharging
15:36	COMPLETED DISCHARGE
15:37	Saybolt onboard after Operation
15:38	Commenced Final Inspection
15:55	Completed Final Inspection and Calculations, Tank(s) Inspected on Emptiness
16:00	Hose / Arm Disconnected
18:30	Object Sailed / Departed

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Vessel LS ANNE
Product AP/E Core 150

Outturn date: 31 Dec 2020

Summary Discharge (GSV)

Gross Standard Volume Data

GSV Figures	Loadport Incl OBQ	Disport Incl ROB	Δ Quantity	Δ %
Liters 15°C	2,306,510	2,306,764	254	0.01
Barrels 60°F	14,513.32	14,514.92	1.60	0.01
US Gallons 60°F	609,559	609,626	67	0.01
Metric Tons Vac	2,001.587	2,001.809	0.222	0.01
Metric Tons Air	1,999.121	1,999.342	0.221	0.01
Long Tons Air	1,967.55	1,967.77	0.22	0.01

GSV Figures	Loadport Excl OBQ	Disport Excl ROB	Δ Quantity	Δ %
Liters 15°C	2,306,510	2,306,764	254	0.01
Barrels 60°F	14,513.32	14,514.92	1.60	0.01
US Gallons 60°F	609,559	609,626	67	0.01
Metric Tons Vac	2,001.587	2,001.809	0.222	0.01
Metric Tons Air	1,999.121	1,999.342	0.221	0.01
Long Tons Air	1,967.55	1,967.77	0.22	0.01

GSV Figures	Bill of Lading	Shore receipt	Δ Quantity	Δ %
Liters 15°C	2,308,588	2,310,589	2,001	0.09
Barrels 60°F	14,526.39	14,538.98	12.59	0.09
US Gallons 60°F	610,108	610,637	529	0.09
Metric Tons Vac	2,003.321	2,005.150	1.829	0.09
Metric Tons Air	2,000.853	2,002.679	1.826	0.09
Long Tons Air	1,969.25	1,971.05	1.80	0.09

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Discharged	0.8678		31.46	0.8683	
Bill of Lading	0.8678	0.8647	31.46	0.8683	
Shore Receipt	0.8678	0.8647	31.46	0.8683	

General Data

Vessel Experience Factor Based on 2nd average 0.9990
 Loadport PJG

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Vessel LS ANNE
Product AP/E CORE 600

Outturn date: 31 Dec 2020

Summary Discharge (GSV)

Gross Standard Volume Data

GSV Figures	Loadport Incl OBQ	Disport Incl ROB	Δ Quantity	Δ %
Liters 15°C	3,401,034	3,398,981	-2,053	-0.06
Barrels 60°F	21,400.21	21,387.29	-12.92	-0.06
US Gallons 60°F	898,809	898,266	-543	-0.06
Metric Tons Vac	3,003.783	3,001.970	-1.813	-0.06
Metric Tons Air	3,000.154	2,998.343	-1.811	-0.06
Long Tons Air	2,952.77	2,950.99	-1.78	-0.06

GSV Figures	Loadport Excl OBQ	Disport Excl ROB	Δ Quantity	Δ %
Liters 15°C	3,401,034	3,398,981	-2,053	-0.06
Barrels 60°F	21,400.21	21,387.29	-12.92	-0.06
US Gallons 60°F	898,809	898,266	-543	-0.06
Metric Tons Vac	3,003.783	3,001.970	-1.813	-0.06
Metric Tons Air	3,000.154	2,998.343	-1.811	-0.06
Long Tons Air	2,952.77	2,950.99	-1.78	-0.06

GSV Figures	Bill of Lading	Shore receipt	Δ Quantity	Δ %
Liters 15°C	3,401,843	3,405,851	4,008	0.12
Barrels 60°F	21,405.30	21,430.52	25.22	0.12
US Gallons 60°F	899,022	900,081	1,059	0.12
Metric Tons Vac	3,004.396	3,008.369	3.973	0.13
Metric Tons Air	3,000.766	3,004.736	3.970	0.13
Long Tons Air	2,953.37	2,957.28	3.91	0.13

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Discharged	0.8832		28.62	0.8837	
Bill of Lading	0.8832	0.8801	28.62	0.8837	
Shore Receipt	0.8833	0.8802	28.60	0.8838	

General Data

Vessel Experience Factor Based on 2nd average	0.9990
Loadport	PJG

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Vessel LS ANNE
Product AP/E Core 150

Outturn date: 31 Dec 2020

Shore Tank Report Single

Shore tank 5015 at Vopak Terminal Vlaardingen

Shore tank measurement		Open	Close
Date / Time of measurement		30 Dec 2020 08:30	02 Jan 2021 03:31
Average Innage	m m	Vms	Vms
Average temp.	°C	17.60	19.60
T.O.V.	Liters	77,571	2,396,033
G.O.V.	Liters	77,571	2,396,033
Dens 15°C	kg/l	0.8697	0.8679
V.C.F.	54D	0.99812	0.99667
G.S.V.	liters 15°C	77,428	2,388,017
Main Table 56	MPMS 11.5.3.4.7	0.86860	0.86680
Metric Tons Air		67.254	2,069.933

Totals			GSV		NSV
T.O.V.	Liters	2,318,462	Liters 15°C	2,310,589	
G.O.V.	Liters	2,318,462	Barrels 60°F	14,538.98	
			US Gallons 60°F	610,637	
Density 15°C	kg/l	0.8678	Metric Tons Vac	2,005.150	
RD 60/60°F		0.8683	Metric Tons Air	2,002.679	
API 60°F		31.46	Long Tons Air	1,971.05	

Average Temp. °C 19.67

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

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Outturn date: 31 Dec 2020

Shore Tank Report Single

Shore tank 5032 at Vopak Terminal Vlaardingen

Shore tank measurement		Open	Close
Date / Time of measurement		30 Dec 2020 08:41	01 Jan 2021 01:03
Average Innage	m m	Vms	Vms
Average temp.	°C	27.60	31.70
T.O.V.	Liters	109,738	542,134
G.O.V.	Liters	109,738	542,134
Dens 15°C	kg/l	0.8840	0.8835
V.C.F.	54D	0.99103	0.98809
G.S.V.	liters 15°C	108,756	535,683
Main Table 56	MPMS 11.5.3.4.7	0.88290	0.88240
Metric Tons Air		96.021	472.687

Totals			GSV		NSV
T.O.V.	Liters	432,396	Liters 15°C	426,927	
G.O.V.	Liters	432,396	Barrels 60°F	2,686.34	
			US Gallons 60°F	112,826	
Density 15°C	kg/l	0.8834	Metric Tons Vac	377.121	
RD 60/60°F		0.8839	Metric Tons Air	376.666	
API 60°F		28.58	Long Tons Air	370.72	

Average Temp. °C 32.74

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

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Vessel LS ANNE
Product AP/E CORE 600

Outturn date: 31 Dec 2020

Shore Tank Report Single

Shore tank 5031 at Vopak Terminal Vlaardingen

Shore tank measurement		Open	Close
Date / Time of measurement		30 Dec 2020 08:41	31 Dec 2020 22:59
Average Innage	m m	Vms	Vms
Average temp.	°C	26.70	35.40
T.O.V.	Liters	64,545	3,088,081
G.O.V.	Liters	64,545	3,088,081
Dens 15°C	kg/l	0.8823	0.8833
V.C.F.	54D	0.99165	0.98544
G.S.V.	liters 15°C	64,002	3,042,926
Main Table 56	MPMS 11.5.3.4.7	0.88120	0.88220
Metric Tons Air		56.399	2,684.469

Totals			GSV		NSV
T.O.V.	Liters	3,023,536	Liters 15°C	2,978,924	
G.O.V.	Liters	3,023,536	Barrels 60°F	18,744.18	
			US Gallons 60°F	787,255	
Density 15°C	kg/l	0.8833	Metric Tons Vac	2,631.248	
RD 60/60°F		0.8838	Metric Tons Air	2,628.070	
API 60°F		28.60	Long Tons Air	2,586.56	

Average Temp. °C 35.59

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

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Vessel LS ANNE
Product AP/E Core 150

Outturn date: 31 Dec 2020

Ullage Report Arrival

Survey Date and Time 30 Dec 2020 12:28

Dens. 15°C Vac

0.8678

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCf table 54D	GSV Liters 15°C
P2	1959	2015	642,035			642,035	21.40	0.99536	639,056
S2	3335	3391	520,445			520,445	22.60	0.99449	517,577
P5	2220	2275	576,820			576,820	20.10	0.99631	574,692
S5	2165	2220	577,570			577,570	20.10	0.99631	575,439
Totals			2,316,870			2,316,870			2,306,764

Summary Totals

On-board figures	ROB Information	Draft	Correction
GSV Liters 15°C	2,306,764	FORE m	5.50 TRIM m
TCV Liters 15°C	2,306,764	AFT m	6.35 LIST °

On-board figures	Discharged figures
GSV Liters 15°C	2,306,764
GSV Barrels 60°F	14,514.92
GSV US gallons 60	609,626
MT vac	2,001.809
MT air	1,999.342
LT	1,967.77

Average Product Temp °C	21.02
Sea Water temp	7.0
Ambient temp	4.0

Signed by: Ship's representative
 Name: Vlad Ispas
 Rank: Chief Officer

Saybolt representative
 L. van den Langenberg
 Saybolt Inspector

Measurements in accordance with API standards.

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Vessel LS ANNE
Product AP/E Core 150

Outturn date: 31 Dec 2020

Ullage Report LoadPort

Survey Date and Time

Dens. 15°C Vac

0.8678

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54D	GSV Liters 15°C
P2	1931	2001	643,178			643,178	23.50	0.99384	639,216
S2	3331	3400	519,590			519,590	23.20	0.99406	516,504
P5	2182	2249	578,962			578,962	23.20	0.99406	575,523
S5	2140	2207	578,623			578,623	23.00	0.99420	575,267
Totals			2,320,353			2,320,353			2,306,510

Summary Totals

On-board figures	OBQ Information	Draft	Correction
GSV Liters 15°C	2,306,510	FORE m	TRIM m
TCV Liters 15°C	2,306,510	AFT m	LIST °

On-board figures

GSV Liters 15°C	2,306,510	Average Product Temp °C	23.23
GSV Barrels 60°F	14,513.32		
GSV US gallons 60	609,559		
MT vac	2,001.587		
MT air	1,999.121		
LT	1,967.55		

Remarks

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

Signed by: Ship's representative
 Name: Vlad Ispas
 Rank: Chief Officer

Saybolt representative

Saybolt Inspector

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Vessel LS ANNE
Product AP/E CORE 600

Outturn date: 31 Dec 2020

Ullage Report Arrival

Survey Date and Time 30 Dec 2020 12:28

Dens. 15°C Vac

0.8832

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCf table 54D	GSV Liters 15°C
P1	1549	1592	319,096			319,096	35.50	0.98537	314,428
S1	1677	1720	315,200			315,200	35.60	0.98529	310,563
P3	1625	1681	705,117			705,117	39.10	0.98278	692,975
S3	1628	1684	705,698			705,698	39.40	0.98257	693,398
P4	1675	1731	701,707			701,707	39.40	0.98257	689,476
S4	1580	1636	710,374			710,374	39.10	0.98278	698,141
Totals			3,457,192			3,457,192			3,398,981

Summary Totals

On-board figures	ROB Information	Draft	Correction
GSV Liters 15°C	3,398,981	FORE m	5.50 TRIM m
TCV Liters 15°C	3,398,981	AFT m	6.35 LIST °

On-board figures	Discharged figures
GSV Liters 15°C	3,398,981
GSV Barrels 60°F	21,387.29
GSV US gallons 60	898,266
MT vac	3,001.970
MT air	2,998.343
LT	2,950.99

Average Product Temp °C 38.57
 Sea Water temp 7.0
 Ambient temp 4.0

Signed by: Ship's representative
 Name: Vlad Ispas
 Rank: Chief Officer

Saybolt representative
 L. van den Langenberg
 Saybolt Inspector

Measurements in accordance with API standards.

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Vessel LS ANNE
Product AP/E CORE 600

Outturn date: 31 Dec 2020

Ullage Report LoadPort

Survey Date and Time

Dens. 15°C Vac

0.8832

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCf table 54D	GSV Liters 15°C
P1	1539	1593	319,054			319,054	34.00	0.98644	314,728
S1	1667	1721	315,156			315,156	24.70	0.99309	312,978
P3	1614	1663	704,951			704,951	38.90	0.98293	692,917
S3	1618	1687	705,449			705,449	39.30	0.98264	693,202
P4	1666	1736	701,292			701,292	39.20	0.98271	689,167
S4	1566	1636	710,374			710,374	39.30	0.98264	698,042
Totals			3,456,276			3,456,276			3,401,034

Summary Totals

On-board figures	OBQ Information	Draft	Correction
GSV Liters 15°C	3,401,034	FORE m	TRIM m
TCV Liters 15°C	3,401,034	AFT m	LIST °

On-board figures

GSV Liters 15°C	3,401,034	Average Product Temp °C	37.38
GSV Barrels 60°F	21,400.21		
GSV US gallons 60	898,809		
MT vac	3,003.783		
MT air	3,000.154		
LT	2,952.77		

Remarks

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

Signed by: Ship's representative
 Name: Vlad Ispas
 Rank: Chief Officer

Saybolt representative

Saybolt Inspector

EXXONMOBIL PETROLEUM & CHEMICAL BV
RU 2235
POLDERDIJKWEG 3
B-2030 ANTWERPEN
Belgium
ExxonMobil Nwe Scheduler
NW20343



Job No 12004/00129042.0000/01/I/21
Report date 02 Jan 2021
Installation Vlaardingen, Netherlands, Vopak Terminal Vlaardingen

Vessel LS ANNE
Product AP/E Core 150

Outturn date: 31 Dec 2020

After Discharge Report

Date of Inspection: 31 Dec 2020
Time of Inspection: 15:50

The undersigned, Independent Saybolt Surveyor, has inspected the cargo tanks of the above named object upon completion of discharge.

The inspection was carried out by means of visual inspection from deck-level.

Said tanks were found to be satisfactorily drained of product.

Cargo tanks inspected:

P2, S2, P5, S5

Signed by: Ship's representative
Name: Vlad Ispas
Rank: Chief Officer

Saybolt representative
R. Raap
Saybolt Inspector

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Job No 12004/00129042.0000/01/I/21
Report date 02 Jan 2021
Installation Vlaardingen, Netherlands, Vopak Terminal Vlaardingen

Vessel LS ANNE
Product AP/E CORE 600

Outturn date: 31 Dec 2020

After Discharge Report

Date of Inspection: 31 Dec 2020
Time of Inspection: 05:00

The undersigned, Independent Saybolt Surveyor, has inspected the cargo tanks of the above named object upon completion of discharge.

The inspection was carried out by means of visual inspection from deck-level.

Said tanks were found to be satisfactorily drained of product.

Cargo tanks inspected:

P1, S1, P3, S3, P4, S4

Signed by: Ship's representative
Name: Vlad Ispas
Rank: Chief Officer

Saybolt representative
Y. de Haan
Saybolt Inspector

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 Report date 02 Jan 2021
 Installation Vlaardingen, Netherlands, Vopak Terminal Vlaardingen

Vessel LS ANNE
Product AP/E Core 150

Outturn date: 31 Dec 2020

Sample Report

Grade	Description	Sealed	Distribution	Amount	Volume
AP/E Core 150	Shore tank 5015 running before discharge from Vessel LS ANNE	Open	Retain	1	1 liters
AP/E Core 150	Shore tank 5015 dead bottom before discharge from Vessel LS ANNE	Open	Retain	1	0.25 liters
AP/E Core 150	Vessel LS ANNE lower samples before discharge into Shore tank 5015	Open	Retain	4	1 liters
AP/E Core 150	Vessel LS ANNE dead bottom samples before discharge into Shore tank 5015	Open	Retain	4	0.25 liters
AP/E Core 150	Vessel LS ANNE manifold before discharge into Shore tank 5015	Open	Retain	1	1 liters
AP/E Core 150	Vessel LS ANNE deck composite before discharge into Shore tank 5015	Open	Retain	1	0.25 liters
AP/E Core 150	Shore line 25 end of shoreline near shore tank 5015 during discharge from Vessel LS ANNE	Open	Retain	1	1 liters
AP/E Core 150	Shore tank 5015 upper, middle, lower after discharge from Vessel LS ANNE	Open	Retain	3	1 liters
AP/E Core 150	Shore tank 5015 dead bottom after discharge from Vessel LS ANNE	Open	Retain	1	0.25 liters
AP/E Core 150	Vessel LS ANNE loadport sample - for retention only	Open	Retain	1	2 liters
AP/E Core 150	Shore tank 5015 single tank composite prepared from upper, middle, lower after discharge from Vessel LS ANNE	Open	Retain	1	1 liters
Total Samples				19	

Information

Samples drawn by	Saybolt Inspector
Shoretank sampling location	Top of tank
Type / condition of sampling containers	Clean plastic bottles
Loadport samples delivered by	C/O
received by	Surveyor
Loadport sample seal numbers	-

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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Job No 12004/00129042.0000/01/I/21
 Report date 02 Jan 2021
 Installation Vlaardingen, Netherlands, Vopak Terminal Vlaardingen

Vessel LS ANNE
Product AP/E CORE 600

Outturn date: 31 Dec 2020

Sample Report

Grade	Description	Sealed	Distribution	Amount	Volume
AP/E CORE 600	Shore tank 5032 running before discharge from Vessel LS ANNE	Open	Retain	1	1 liters
AP/E CORE 600	Shore tank 5032 dead bottom before discharge from Vessel LS ANNE	Open	Retain	1	0.25 liters
AP/E CORE 600	Shore tank 5031 running before discharge from Vessel LS ANNE	Open	Retain	1	1 liters
AP/E CORE 600	Shore tank 5031 dead bottom before discharge from Vessel LS ANNE	Open	Retain	1	0.25 liters
AP/E CORE 600	Vessel LS ANNE lower before discharge into Shore tank 5032, Shore tank 5031	Open	Retain	6	1 liters
AP/E CORE 600	Vessel LS ANNE dead bottom before discharge into Shore tank 5032, Shore tank 5031	Open	Retain	6	0.25 liters
AP/E CORE 600	Vessel LS ANNE manifold before discharge into Shore tank 5032, Shore tank 5031	Open	Retain	1	1 liters
AP/E CORE 600	Vessel LS ANNE deck composite before discharge into Shore tank 5032, Shore tank 5031	Open	Retain	1	0.25 liters
AP/E CORE 600	Shore line 25 end of shoreline near shoretank 5031 during discharge from Vessel LS ANNE	Open	Retain	1	1 liters
AP/E CORE 600	Shore tank 5032 upper, middle, lower after discharge from Vessel LS ANNE	Open	Retain	3	1 liters
AP/E CORE 600	Shore tank 5032 dead bottom after discharge from Vessel LS ANNE	Open	Retain	1	0.25 liters
AP/E CORE 600	Shore tank 5031 upper, middle, lower after discharge from Vessel LS ANNE	Open	Retain	3	1 liters
AP/E CORE 600	Shore tank 5031 dead bottom after discharge from Vessel LS ANNE	Open	Retain	1	0.25 liters
AP/E CORE 600	Vessel LS ANNE loadport sample - for retention only	Open	Retain	1	3 liters
AP/E CORE 600	Shore tank 5031, 5032 single tank composite prepared from upper, middle, lower after discharge from Vessel LS ANNE	Open	Retain	2	1 liters
Total Samples				30	

Information

Samples drawn by	Saybolt Inspector
Shoretank sampling location	Top of tank
Type / condition of sampling containers	Clean plastic bottles
Loadport samples delivered by	C/O
received by	Surveyor
Loadport sample seal numbers	-

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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Report date 02 Jan 2021
Installation Vlaardingen, Netherlands, Vopak Terminal Vlaardingen

Vessel LS ANNE
Product AP/E Core 150, AP/E CORE 600

Outturn date: 31 Dec 2020

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 044	Lub Oil	Rdam/Hamburg	17 Dec 2020	4,440		4,433	7	1.00158	yes
2nd 043	Lub Oil	Unknown	07 Dec 2020	5,033		5,049	-16	0.99683	yes
3rd 042	Lube Oil	Rotterdam	01 Dec 2020	4,014		4,006	8	1.00200	yes
4th 041	Lube Oil	Port Jerome	26 Nov 2020	4,832		4,845	-13	0.99732	yes
5th 040	Lube Oil	Rotterdam	16 Nov 2020	3,352		3,349	3	1.00090	yes
6th 039	Lube Oil	Rotterdam	10 Nov 2020	5,029		5,032	-3	0.99940	yes
7th 038	Lube Oil	Rotterdam	06 Nov 2020	5,047		5,039	8	1.00159	yes
8th 37	Lube Oil	Rotterdam	29 Oct 2020	3,544	-	3,494	47	1.00407	no
9th 036	Lube Oil	Rotterdam	15 Oct 2020	5,176		5,171	5	1.00097	yes
10th 035	Lube Oil	Port Jerome	11 Oct 2020	4,597		4,610	-13	0.99718	yes
11th 034	Lube Oil	Port Jerome	07 Oct 2020	2,399		2,403	-4	0.99834	yes
12th 033	Lube Oil	Vlaardingen	02 Oct 2020	4,997		5,008	-11	0.99780	yes
13th 032	Lube Oil	Port Jerome	25 Sep 2020	1,200		1,202	-2	0.99834	yes
14th 031	Lube Oil	Port Jerome	20 Sep 2020	1,498		1,502	-4	0.99734	yes
15th 030	Lube Oil	Hamburg	15 Sep 2020	6,391		6,401	-10	0.99844	yes
16th 029	Lube Oil	Port Jerome	31 Aug 2020	3,059		3,066	-7	0.99772	yes
17th 028	Lube Oil	Hamburg	26 Aug 2020	4,933		4,936	-3	0.99939	yes
18th 027	Lube Oil	Rotterdam	19 Aug 2020	5,176	-	5,163	43	1.00252	no
19th 026	Lube Oil	Port Jerome	14 Aug 2020	2,946		2,956	-10	0.99662	yes
20th 025	Lube Oil	Port Jerome	07 Aug 2020	2,644		2,650	-6	0.99774	yes
Totals									
Totals				80,274		80,315			
Qualifying Totals				71,587		71,658			

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

0.99949

1.00249

0.99901

1.00201

- 0.3% 0.99649

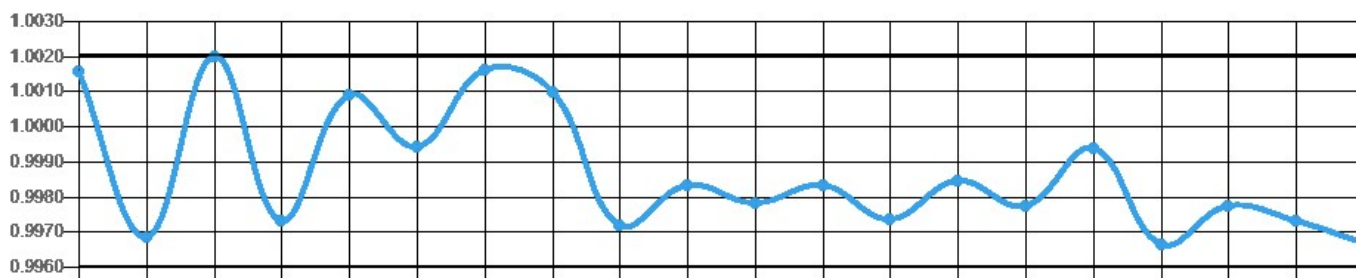
- 0.3% 0.99601

Vessel Experience Factor based on second average

0.9990

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: Vlad Ispas

Rank: Chief Officer

Saybolt representative

L. van den Langenberg

Saybolt Inspector

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SAI14 VEF V4.0.11 2019/10/30

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