

EXXONMOBIL PETROLEUM & CHEMICAL BV  
RU 2235  
POLDERDIJKWEG 3  
B-2030 ANTWERPEN  
Belgium  
Ms. P. Laureys  
NW21203



Job No 10303/00021505.0000/01/I/21  
Report date 01 Jul 2021  
Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel LS ANNE**  
**Product EHC 50, EHC 120**

Outturn date: 30 Jun 2021

**Contents page**

Saybolt van Duyn GmbH (Germany) has performed a survey of the above mentioned object, the findings of the survey are reflected in the following reports:

Title	Number of Pages
Contents page	one
Cover Page Discharge	two
Time Log	one
Summary Discharge (GSV)	two
Sample Report	two
Certificate of Quantity	two
Shore Tank Measurement Details	three
Shore Tank Report Multiple	two
Ullage Report Arrival	two
Ullage Report LoadPort	two
After Discharge Report	two
Vessel Experience Report	one
Idle Cargo Tank Report	one
Document Receipt	one
Letter of Protest	two

This report consists of 26 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: Michael Engel

*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 EHC 120**

## Cover Page Discharge

### Discharge data

Quantity data			
Outturn figure amounts to GSV	Liters 15°C	2,888,488	
Outturn date		30 Jun 2021	
Loadport		Rotterdam	
B/L Date		29 Jun 2021	
Average product temperature onboard	°C	31.11	
Calculation data			
Shore tank Volume conversion table used		54D	
Vessel Volume conversion table used		54D	
Shore data			
Discharge Installation		EVOS Hamburg GmbH	
Shore tank number(s)		801	
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		1P, 2S, 3P, 4S, 5P	
Vessel tank measurement were carried out with		Vessel/barge equipment/ATG	by UTI
Vessel tank measurement equipment number		G13775	
Vessel tank temperatures were carried out with		Vessel/barge equipment/ATG	by UTI
Vessel tank temperature equipment number		G13775	
Sea Condition		Calm (rippled) - 0 to 0.1 m (0.00 to 0.33 ft)	
Weather condition		Rainy	

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**Vessel LS ANNE**  
**Product EHC 50**

## Cover Page Discharge

### Discharge data

Quantity data			
Outturn is based on:		Shore tank measurements	
Outturn figure amounts to GSV	Liters 15°C	2,929,708	
Outturn date		30 Jun 2021	
Loadport		Rotterdam	
B/L Date		29 Jun 2021	
Average product temperature onboard	°C	30.57	
Calculation data			
Shore tank Volume conversion table used		54D	
Vessel Volume conversion table used		54D	
Shore data			
Discharge Installation		EVOS Hamburg GmbH	
Shore tank number(s)		2702, 2705	
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		1S, 2P, 3S, 4P, 5S	
Vessel tank measurement were carried out with		Vessel/barge equipment/ATG	by UTI
Vessel tank measurement equipment number		G13775	
Vessel tank temperatures were carried out with		Vessel/barge equipment/ATG	by UTI
Vessel tank temperature equipment number		G13775	
Sea Condition		Calm (rippled) - 0 to 0.1 m (0.00 to 0.33 ft)	
Weather condition		Rainy	

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**Vessel LS ANNE**  
**Product EHC 50, EHC 120**

Outturn date: 30 Jun 2021

## Time Log

27 Jun 2021 (Sunday)	
02:42	End of Sea Passage
02:42	Notice of Readiness Tendered
03:48	Anchor Down
29 Jun 2021 (Tuesday)	
03:30	Anchor Up
04:48	Pilot on Board
13:00	First Line Ashore
13:24	Moored Alongside Berth (All Fast)
13:24	Notice of Readiness Received
13:30	Saybolt onboard before Operation
13:30	Key Meeting
13:30	Gangway in Place
13:54	Commenced Initial Inspection
16:36	Completed Initial Inspection and Calculations, Tank(s) Measured and Sampled
16:36	Delay: Waiting for Analysis (59 minutes)
17:35	Analysis passed at Saybolt Laboratory Hamburg
18:00	Hose / Arm Connected (EHC 50)
18:12	Hose / Arm Connected (EHC 120)
18:42	COMMENCED DISCHARGE (EHC 120)
18:54	COMMENCED DISCHARGE (EHC 50)
30 Jun 2021 (Wednesday)	
06:06	COMPLETED DISCHARGE (EHC 50)
06:42	Saybolt onboard during Operation (EHC 50)
06:48	Commenced Final Inspection
06:48	COMPLETED DISCHARGE (EHC 120)
07:12	Completed Final Inspection and Calculations, Tank(s) Inspected on Emptiness
07:18	Hose / Arm Disconnected (EHC 120)
07:30	Hose / Arm Disconnected (EHC 50)
07:42	Documents on Board
08:30	Object Sailed / Departed

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**Vessel LS ANNE**  
**Product EHC 120**

Outturn date: 30 Jun 2021

## Summary Discharge (GSV)

### Gross Standard Volume Data

GSV Figures	Loadport Incl OBQ	Disport Incl ROB	Δ Quantity	Δ %
Liters 15°C	2,892,809	2,893,709	900	0.03
Barrels 60°F	18,204	18,210	6	0.03
US Gallons 60°F	764,568	764,820	252	0.03
Metric Tons Vac	2,497.587	2,498.364	0.777	0.03
Kilos Vac	2,497,587	2,498,364	777	0.03
Metric Tons Air	2,494.469	2,495.245	0.776	0.03
Kilos Air	2,494,469	2,495,245	776	0.03
Long Tons Air	2,455.07	2,455.84	0.77	0.03

GSV Figures	Loadport Excl OBQ	Disport Excl ROB	Δ Quantity	Δ %
Liters 15°C	2,892,809	2,893,709	900	0.03
Barrels 60°F	18,204	18,210	6	0.03
US Gallons 60°F	764,568	764,820	252	0.03
Metric Tons Vac	2,497.587	2,498.364	0.777	0.03
Kilos Vac	2,497,587	2,498,364	777	0.03
Metric Tons Air	2,494.469	2,495.245	0.776	0.03
Kilos Air	2,494,469	2,495,245	776	0.03
Long Tons Air	2,455.07	2,455.84	0.77	0.03

GSV Figures	Bill of Lading	Shore receipt	Δ Quantity	Δ %
Liters 15°C	2,886,773	2,888,488	1,715	0.06
Barrels 60°F	18,166	18,177	11	0.06
US Gallons 60°F	762,972	763,434	462	0.06
Metric Tons Vac	2,492.376	2,495.143	2.767	0.11
Kilos Vac	2,492,376	2,495,143	2,767	0.11
Metric Tons Air	2,489.264	2,492.028	2.764	0.11
Kilos Air	2,489,264	2,492,028	2,764	0.11
Long Tons Air	2,449.95	2,452.67	2.72	0.11

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Discharged	0.8634	0.8603	32.30	0.8639	
Bill of Lading	0.8634	0.8603	32.30	0.8639	
Shore Receipt	0.8638	0.8607	32.22	0.8643	

### General Data

Vessel Experience Factor Based on 2nd average 0.9992  
 Loadport Rotterdam

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**Vessel LS ANNE**  
**Product EHC 50**

Outturn date: 30 Jun 2021

## Summary Discharge (GSV)

### Gross Standard Volume Data

GSV Figures	Loadport Incl OBQ	Disport Incl ROB	Δ Quantity	Δ %
Liters 15°C	2,935,959	2,936,586	627	0.02
Barrels 60°F	18,476	18,480	4	0.02
US Gallons 60°F	775,992	776,160	168	0.02
Metric Tons Vac	2,503.976	2,504.511	0.535	0.02
Kilos Vac	2,503,976	2,504,511	535	0.02
Metric Tons Air	2,500.850	2,501.384	0.534	0.02
Kilos Air	2,500,850	2,501,384	534	0.02
Long Tons Air	2,461.35	2,461.88	0.53	0.02

GSV Figures	Loadport Excl OBQ	Disport Excl ROB	Δ Quantity	Δ %
Liters 15°C	2,935,959	2,936,586	627	0.02
Barrels 60°F	18,476	18,480	4	0.02
US Gallons 60°F	775,992	776,160	168	0.02
Metric Tons Vac	2,503.976	2,504.511	0.535	0.02
Kilos Vac	2,503,976	2,504,511	535	0.02
Metric Tons Air	2,500.850	2,501.384	0.534	0.02
Kilos Air	2,500,850	2,501,384	534	0.02
Long Tons Air	2,461.35	2,461.88	0.53	0.02

GSV Figures	Bill of Lading	Shore receipt	Δ Quantity	Δ %
Liters 15°C	2,929,955	2,929,708	-247	-0.01
Barrels 60°F	18,438	18,437	-1	-0.01
US Gallons 60°F	774,396	774,354	-42	-0.01
Metric Tons Vac	2,498.856	2,499.912	1.056	0.04
Kilos Vac	2,498,856	2,499,912	1,056	0.04
Metric Tons Air	2,495.736	2,496.791	1.055	0.04
Kilos Air	2,495,736	2,496,791	1,055	0.04
Long Tons Air	2,456.32	2,457.35	1.03	0.04

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Discharged	0.8529	0.8498	34.32	0.8533	
Bill of Lading	0.8529	0.8498	34.32	0.8533	
Shore Receipt	0.8533	0.8502	34.24	0.8537	

### General Data

Vessel Experience Factor Based on 2nd average 0.9992  
 Loadport Rotterdam

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**Vessel LS ANNE**  
**Product EHC 120**

Outturn date: 30 Jun 2021

## Sample Report

Grade	Description	Sealed	Distribution	Amount	Volume
EHC 120	Shore tank 801:Running from shore tank before discharge; sampled 29.06.2021 12:00	Open	Retain	1	1 liters
EHC 120	Shore tank 801:Lower from shore tank before discharge; sampled 29.06.2021 12:00	Open	Analysis / Retain	1	1 liters
EHC 120	TV LS ANNE:Running from ships tanks before discharge; sampled 29.06.2021 16:36	Open	Analysis / Retain	5	1 liters
EHC 120	TV LS ANNE:Dead bottom from ships tanks before discharge; sampled 29.06.2021 16:36	Open	Analysis / Retain	5	1 liters
EHC 120	TV LS ANNE:Manifold at loading arm before discharge; sampled 29.06.2021 18:42	Open	Analysis / Retain	1	1 liters
EHC 120	End of shoreline at jetty during discharge; sampled 29.06.2021 18:45	Open	Retain	1	1 liters
EHC 120	Shore tank 801:Upper, middle, lower from shore tank after discharge; sampled 30.06.2021 10:15	Open	Analysis / Retain	3	1 liters
EHC 120	Shore tank 801:Dead bottom from shore tank after discharge; sampled 30.06.2021 10:15	Open	Analysis / Retain	1	1 liters
EHC 120	LOADPORT:TV LS ANNE:Deck-composite from ships tanks after loading	225157	Retain	1	2 liters
<b>Total Samples</b>				<b>19</b>	

### Information

Samples drawn by	Saybolt Inspector
Shoretank sampling location	Top of tank
Type / condition of sampling containers	New clean glass bottles
Loadport samples delivered by	Chief Officer
received by	Saybolt Inspector
Loadport sample seal numbers	As stated above

### Remarks:

Samples retained by Saybolt will be held for 90 days (unless otherwise specified) at the end of which they shall be disposed of.  
 Sampling according to accredited method DIN 51750  
 Sampling equipment: bottle cage / dead bottom sampler  
 Appearance: bright and clear; without any solid matter  
 Weather condition: cloudy / partly slight rain  
 Sampler: J. Sierck

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**Vessel LS ANNE**  
**Product EHC 50**

Outturn date: 30 Jun 2021

## Sample Report

Grade	Description	Sealed	Distribution	Amount	Volume
EHC 50	Shore tank 2705:Running from shore tank before discharge; sampled 29.06.2021 12:20	Open	Retain	1	1 liters
EHC 50	Shore tank 2705:Lower from shore tank before discharge; sampled 29.06.2021 12:20	Open	Analysis / Retain	1	1 liters
EHC 50	Shore tank 2702:Running from shore tank before discharge; sampled 29.06.2021 12:35	Open	Retain	1	1 liters
EHC 50	Shore tank 2702:Lower from shore tank before discharge; sampled 29.06.2021 12:35	Open	Analysis / Retain	1	1 liters
EHC 50	TV LS ANNE:Running from ships tanks before discharge; sampled 29.06.2021 16:36	Open	Analysis / Retain	5	1 liters
EHC 50	TV LS ANNE:Dead bottom from ships tanks before discharge; sampled 29.06.2021 16:36	Open	Analysis / Retain	5	1 liters
EHC 50	TV LS ANNE:Manifold at loading arm before discharge; sampled 29.06.2021 18:54	Open	Analysis / Retain	1	1 liters
EHC 50	End of shoreline at jetty during discharge; sampled 29.06.2021 19:00	Open	Retain	1	1 liters
EHC 50	Shore tank 2705:Upper, middle, lower from shore tank after discharge; sampled 30.06.2021 09:00	Open	Analysis / Retain	3	1 liters
EHC 50	Shore tank 2705:Dead bottom from shore tank after discharge; sampled 30.06.2021 09:00	Open	Analysis / Retain	1	1 liters
EHC 50	Shore tank 2702:Upper, middle, lower from shore tank after discharge; sampled 30.06.2021 08:35	Open	Analysis / Retain	3	1 liters
EHC 50	Shore tank 2702:Dead bottom from shore tank after discharge; sampled 30.06.2021 08:35	Open	Analysis / Retain	1	1 liters
EHC 50	LOADPORT:TV LS ANNE:Deck-composite from ships tanks after loading	225158	Retain	1	2 liters
<b>Total Samples</b>				<b>25</b>	

### Information

Samples drawn by	Saybolt Inspector
Shoretank sampling location	Top of tank
Type / condition of sampling containers	New clean glass bottles
Loadport samples delivered by	Chief Officer
received by	Saybolt Inspector
Loadport sample seal numbers	As stated above

### Remarks:

Samples retained by Saybolt will be held for 90 days (unless otherwise specified) at the end of which they shall be disposed of.  
 Sampling according to accredited method DIN 51750  
 Sampling equipment: bottle cage / dead bottom sampler  
 Appearance: bright and clear; without any solid matter  
 Weather condition: cloudy / partly slight rain  
 Sampler: J. Sierck



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**Vessel LS ANNE**

**Product EHC 50**

Outturn date: 30 Jun 2021

## Certificate of Quantity

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

	Gross
Liters 15°C	2,929,708
Barrels 60°F	* 18,437
US Gallons 60°F	* 774,354
Metric Tons vac	* 2,499.912
Metric Tons air	2,496.791
Long Tons	* 2,457.35

*\* as calculated by Saybolt only.*

These quantities have been determined by measurement of shore tanks.

Outturn Dens. 15°C Vac	0.8533
Outturn Density 20°C	0.8502
Outturn Api 60°F	34.24
Outturn RD 60/60°F	0.8537

### Criteria used

Liters 15°C (1000) to US Barrels 60°F	ASTM Table 52	6.293
US Barrels 60°F to US Gallons 60°F	ASTM Table 1	42
Metric Tons Air to Metric Tons Vac	ASTM Table 56	1.00125
Metric Tons Air to Long Tons	ASTM Table 1	0.984206

### Remark

Discharged into Shore tank 2702 + 2705.

Signed by: Saybolt representative

Name: J.Sierck

Rank: Saybolt Inspector

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**Vessel LS ANNE**  
**Product EHC 120**

Outturn date: 30 Jun 2021

## Certificate of Quantity

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

	Gross
Liters 15°C	2,888,488
Barrels 60°F	* 18,177
US Gallons 60°F	* 763,434
Metric Tons vac	* 2,495.143
Metric Tons air	2,492.028
Long Tons	* 2,452.67

\* as calculated by Saybolt only.

These quantities have been determined by measurement of shore tanks.

Outturn Dens. 15°C Vac	0.8638
Outturn Density 20°C	0.8607
Outturn Api 60°F	32.22
Outturn RD 60/60°F	0.8643

### Criteria used

Liters 15°C (1000) to US Barrels 60°F	ASTM Table 52	6.293
US Barrels 60°F to US Gallons 60°F	ASTM Table 1	42
Metric Tons Air to Metric Tons Vac	ASTM Table 56	1.00125
Metric Tons Air to Long Tons	ASTM Table 1	0.984206

### Remark

Discharged into Shore tank 801

Signed by: Saybolt representative  
Name: J.Sierck  
Rank: Saybolt Inspector

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**Vessel LS ANNE**

**Product EHC 50**

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## Shore Tank Measurement Details

### Shore tank 2702

Measurement data (Innage)		Open	Close
Average	m m	1630	9507
<b>Temperature</b>			
<b>Measurement Equipment Data</b>		<b>Open</b>	<b>Close</b>
Water measurement used		Paste	Paste
Water paste used		Kolor Kut	Kolor Kut
Gauging equipment type		Shore equipment/ATG	Shore equipment/ATG
Gauging Equipment used		Automatic Tank Gauge	Automatic Tank Gauge
Temperature equipment type		Shore equipment/ATG	Shore equipment/ATG
Temperature Equipment used		Automatic Tank Temperature	Automatic Tank Temperature
Inspector Equipment used for verification?		Yes	Yes
Inspector name		J.Sierck	J.Sierck

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## Shore Tank Measurement Details

### Shore tank 2705

Measurement data (Innage)		Open	Close
Average	m m	3269	5220
<b>Temperature</b>			
<b>Measurement Equipment Data</b>		<b>Open</b>	<b>Close</b>
Water measurement used		Paste	Paste
Water paste used		Kolor Kut	Kolor Kut
Gauging equipment type		Shore equipment/ATG	Shore equipment/ATG
Gauging Equipment used		Automatic Tank Gauge	Automatic Tank Gauge
Temperature equipment type		Shore equipment/ATG	Shore equipment/ATG
Temperature Equipment used		Automatic Tank Temperature	Automatic Tank Temperature
Inspector Equipment used for verification?		Yes	Yes
Inspector name		J.Sierck	J.Sierck

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## Shore Tank Measurement Details

### Shore tank 801

Measurement data (Innage)	Open	Close
Average m m	1904	6793
<b>Temperature</b>		
<b>Measurement Equipment Data</b>		
	<b>Open</b>	<b>Close</b>
Water measurement used	Paste	Paste
Water paste used	Kolor Kut	Kolor Kut
Gauging equipment type	Shore equipment/ATG	Shore equipment/ATG
Gauging Equipment used	Automatic Tank Gauge	Automatic Tank Gauge
Temperature equipment type	Shore equipment/ATG	Shore equipment/ATG
Temperature Equipment used	Automatic Tank Temperature	Automatic Tank Temperature
Inspector Equipment used for verification?	Yes	Yes
Inspector name	J.Sierck	J.Sierck

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## Shore Tank Report Multiple

Shore tank measurement		Totals	2702	2705
<b>Open measurement</b>				
Date/time of measurement		29 Jun 2021 12:35	29 Jun 2021 12:20	
Average Innage	m m	1630	3269	
Average temp.	°C	22.20	20.20	
T.O.V.	Liters	622,883	1,120,408	
Water	m m	Nil	Nil	
Water	Liters			
Line content	Liters			
Floating roof	Liters			
Ambient temp.	°C			
G.O.V.	Liters	622,883	1,120,408	
Dens 15°C	kg/l	0.8520	0.8520	
V.C.F.	54D	0.9947	0.9962	
G.S.V.	liters 15°C	619,582	1,116,150	
Main Table 56	Table 56	0.8509	0.8509	
Metric Tons Air		527.202	949.732	
<b>Close measurement</b>				
Date/time of measurement		30 Jun 2021 08:35	30 Jun 2021 09:00	
Average Innage	m m	9507	5220	
Average temp.	°C	28.80	23.70	
T.O.V.	Liters	2,998,173	1,708,784	
Water	m m	Nil	Nil	
Water	Liters			
Line content	Liters			
Floating roof	Liters			
Ambient temp.	°C			
G.O.V.	Liters	2,998,173	1,708,784	
Dens 15°C	kg/l	0.8528	0.8529	
V.C.F.	54D	0.9898	0.9936	
G.S.V.	liters 15°C	2,967,592	1,697,848	
Main Table 56	Table 56	0.8517	0.8518	
Metric Tons Air		2,527.498	1,446.227	
<b>Subtotals</b>				
G.S.V.	liters 15°C	2,929,708	2,348,010	581,698
Metric Tons Air		2,496.791	2,000.296	496.495

### Remarks

Tables used: 54D and W.C.F. Table 56.

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 POLDERDIJKWEG 3  
 B-2030 ANTWERPEN  
 Belgium  
 Ms. P. Laureys  
 NW21203



Job No 10303/00021505.0000/01/I/21  
 Report date 01 Jul 2021  
 Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel LS ANNE**  
**Product EHC 120**

Outturn date: 30 Jun 2021

## Shore Tank Report Multiple

Shore tank measurement		Totals	801
<b>Open measurement</b>			
Date/time of measurement		29 Jun 2021	12:00
Average Innage	m m		1904
Average temp.	°C		39.70
T.O.V.	Liters		1,316,313
Water	m m		Nil
Water	Liters		
Line content	Liters		
Floating roof	Liters		
Ambient temp.	°C		
G.O.V.	Liters		1,316,313
Dens 15°C	kg/l		0.8637
V.C.F.	54D		0.9820
G.S.V.	liters 15°C		1,292,619
Main Table 56	Table 56		0.8626
Metric Tons Air			1,115.013
<b>Close measurement</b>			
Date/time of measurement		30 Jun 2021	10:15
Average Innage	m m		6793
Average temp.	°C		34.60
T.O.V.	Liters		4,241,764
Water	m m		Nil
Water	Liters		
Line content	Liters		
Floating roof	Liters		
Ambient temp.	°C		
G.O.V.	Liters		4,241,764
Dens 15°C	kg/l		0.8638
V.C.F.	54D		0.9857
G.S.V.	liters 15°C		4,181,107
Main Table 56	Table 56		0.8627
Metric Tons Air			3,607.041
<b>Subtotals</b>			
G.S.V.	liters 15°C	2,888,488	2,888,488
Metric Tons Air		2,492.028	2,492.028

### Remarks

Tables used: 54D and W.C.F. Table 56.

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Job No 10303/00021505.0000/01/I/21  
 Report date 01 Jul 2021  
 Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel LS ANNE**  
**Product EHC 50**

Outturn date: 30 Jun 2021

## Ullage Report Arrival

Survey Date and Time 29 Jun 2021 16:36

Dens. 15°C Vac

0.8529

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCf table 54D	GSV Liters 15°C
1S	3485	3546	228,514	NIL		228,514	30.80	0.9883	225,840
2P	1440	1520	681,120	NIL		681,120	29.80	0.9891	673,696
3S	1485	1564	715,542	NIL		715,542	31.20	0.9880	706,955
4P	1466	1546	716,908	NIL		716,908	31.00	0.9882	708,448
5S	1490	1567	628,625	NIL		628,625	30.10	0.9889	621,647
Totals			2,970,709			2,970,709			2,936,586

### Summary Totals

On-board figures	ROB Information	Draft	Correction
GSV Liters 15°C	2,936,586	FORE m	5.50 TRIM m
TCV Liters 15°C	2,936,586	AFT m	6.70 LIST °

### On-board figures

### Discharged figures

GSV Liters 15°C	2,936,586	GSV Disch. Ltrs 15°C	2,936,586	Average Product Temp °C	30.57
GSV Barrels 60°F	18,480	GSV Disch. Bbls 60°F	18,480		
GSV US gallons 60	776,160	GSV Disch. US Glns 60°F	776,160		
MT vac	2,504.511	MT Vac Disch.	2,504.511		
MT air	2,501.384	MT Air Disch.	2,501.384		
Kilos air	2,501,384	Kilo Air Disch.	2,501,384		
LT	2,461.88	LT Disch.	2,461.88		

### Equipment used

Gauge Equipment Type	Vessel/barge equipment/ATG	Temperature Equipment Type	Vessel/barge equipment/ATG
Gauge Equipment Used	UTI	Temperature Equipment Used	UTI
Gauge Equipment number	G13775	Temperature Equipment number	G13775

Signed by: Ship's representative  
 Name: Petre Christian  
 Rank: Chief Officer

Saybolt representative  
 J. Sierck  
 Saybolt Inspector

Measurements in accordance with API standards.



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Job No 10303/00021505.0000/01/I/21  
 Report date 01 Jul 2021  
 Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel LS ANNE**  
**Product EHC 50**

Outturn date: 30 Jun 2021

## Ullage Report LoadPort

Survey Date and Time 25 Jun 2021

Dens. 15°C Vac

0.8529

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCf table 54D	GSV Liters 15°C
1S	3470	3531	229,279			229,279	32.90	0.9868	226,253
2P	1423	1503	682,412			682,412	34.40	0.9857	672,654
3S	1469	1548	716,844			716,844	34.00	0.9860	706,808
4P	1430	1510	719,820			719,820	33.90	0.9860	709,743
5S	1480	1557	629,375			629,375	34.10	0.9859	620,501
Totals			2,977,730			2,977,730			2,935,959

### Summary Totals

On-board figures	OBQ Information	Draft	Correction
GSV Liters 15°C	2,935,959	FORE m	5.50 TRIM m
TCV Liters 15°C	2,935,959	AFT m	6.70 LIST °

### On-board figures

GSV Liters 15°C	2,935,959	Average Product Temp °C	34.00
GSV Barrels 60°F	18,476		
GSV US gallons 60	775,992		
MT vac	2,503.976		
MT air	2,500.850		
Kilos air	2,500.850		
LT	2,461.35		

### Remarks

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

Signed by: Ship's representative  
 Name: Petre Christian  
 Rank: Chief Officer

Saybolt representative

Saybolt Inspector

EXXONMOBIL PETROLEUM & CHEMICAL BV  
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Job No 10303/00021505.0000/01/I/21  
 Report date 01 Jul 2021  
 Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel LS ANNE**  
**Product EHC 120**

Outturn date: 30 Jun 2021

## Ullage Report Arrival

Survey Date and Time 29 Jun 2021 16:36

Dens.15°C Vac

0.8634

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCf table 54D	GSV Liters 15°C
1P	2080	2141	294,985	NIL		294,985	29.90	0.9891	291,770
2S	1793	1793	659,863	NIL		659,863	31.30	0.9881	652,011
3P	1987	1987	679,338	NIL		679,338	31.10	0.9883	671,390
4S	1900	1980	681,540	NIL		681,540	31.40	0.9880	673,362
5P	1755	1832	612,402	NIL		612,402	31.20	0.9882	605,176
Totals			2,928,128			2,928,128			2,893,709

### Summary Totals

On-board figures	ROB Information	Draft	Correction
GSV Liters 15°C	2,893,709	FORE m	5.50 TRIM m
TCV Liters 15°C	2,893,709	AFT m	6.70 LIST °

On-board figures	Discharged figures
GSV Liters 15°C	2,893,709
GSV Disch. Ltrs 15°C	2,893,709
GSV Barrels 60°F	18,210
GSV Disch. Bbls 60°F	18,210
GSV US gallons 60	764,820
GSV Disch. US Glns 60°F	764,820
MT vac	2,498.364
MT Vac Disch.	2,498.364
MT air	2,495.245
MT Air Disch.	2,495.245
Kilos air	2,495,245
Kilo Air Disch.	2,495,245
LT	2,455.84
LT Disch.	2,455.84

Equipment used	
Gauge Equipment Type	Vessel/barge equipment/ATG
Gauge Equipment Used	UTI
Gauge Equipment number	G13775

Signed by: Ship's representative  
 Name: Petre Christian  
 Rank: Chief Officer

Saybolt representative  
 J. Sierck  
 Saybolt Inspector

Measurements in accordance with API standards.

EXXONMOBIL PETROLEUM & CHEMICAL BV  
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Job No 10303/00021505.0000/01/I/21  
 Report date 01 Jul 2021  
 Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel LS ANNE**  
**Product EHC 120**

Outturn date: 30 Jun 2021

## Ullage Report LoadPort

Survey Date and Time 25 Jun 2021

Dens.15°C Vac

0.8634

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54D	GSV Liters 15°C
1P	2045	2106	296,570			296,570	39.00	0.9825	291,380
2S	1654	1733	664,606			664,606	41.40	0.9807	651,779
3P	1855	1934	683,876			683,876	40.50	0.9814	671,156
4S	1842	1922	686,490			686,490	40.60	0.9813	673,653
5P	1700	1777	616,681			616,681	41.20	0.9808	604,841
Totals			2,948,223			2,948,223			2,892,809

### Summary Totals

On-board figures	OBQ Information	Draft	Correction
GSV Liters 15°C	2,892,809	FORE m	5.50 TRIM m
TCV Liters 15°C	2,892,809	AFT m	6.70 LIST °

### On-board figures

GSV Liters 15°C	2,892,809	Average Product Temp °C	40.72
GSV Barrels 60°F	18,204		
GSV US gallons 60	764,568		
MT vac	2,497.587		
MT air	2,494.469		
Kilos air	2,494,469		
LT	2,455.07		

### Remarks

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

Signed by: Ship's representative  
 Name: Petre Christian  
 Rank: Chief Officer

Saybolt representative

Saybolt Inspector

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Job No 10303/00021505.0000/01/I/21  
Report date 01 Jul 2021  
Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel LS ANNE**

**Product EHC 50**

Outturn date: 30 Jun 2021

## After Discharge Report

Date of Inspection: 30 Jun 2021  
Time of Inspection: 07:12

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:

1S, 2P, 3S, 4P, 5S

Signed by: Ship's representative  
Name: Petre Christian  
Rank: *Chief Officer*

Saybolt representative  
J. Sierck  
*Saybolt Inspector*

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Job No 10303/00021505.0000/01/I/21  
Report date 01 Jul 2021  
Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel LS ANNE**

**Product EHC 120**

Outturn date: 30 Jun 2021

## After Discharge Report

Date of Inspection: 30 Jun 2021  
Time of Inspection: 07:12

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:

1P, 2S, 3P, 4S, 5P

Signed by: Ship's representative  
Name: Petre Christian  
Rank: *Chief Officer*

Saybolt representative  
J. Sierck  
*Saybolt Inspector*

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Job No 10303/00021505.0000/01/I/21  
Report date 01 Jul 2021  
Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel LS ANNE**  
**Product EHC 50, EHC 120**

Outturn date: 30 Jun 2021

## 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
last 23	Lube Oil	Port Jerome	16 Jun 2021	3,047.102		3,055.977	-8.875	0.99710	yes
2nd 22	Lube Oil	Rotterdam	12 Jun 2021	2,693.025		2,698.003	-4.978	0.99815	yes
3rd 021	Lube Oil	Hamburg/Rotterdam	06 Jun 2021	2,190.016		2,190.812	-0.796	0.99964	yes
4th 020	Lube Oil	Rotterdam	30 May 2021	4,985.740		4,982.061	3.679	1.00074	yes
5th 019	Lube Oil	Rotterdam	22 May 2021	993.371		997.112	-3.741	0.99625	yes
6th 18	Lube Oil	Port Jerome	20 May 2021	3,191.726		3,201.100	-9.374	0.99707	yes
7th 17	Lube Oil	Hamburg	12 May 2021	4,226.154		4,240.795	-14.641	0.99655	yes
8th 16	Lube Oil	Rotterdam	01 May 2021	4,985.093		4,985.786	-0.693	0.99986	yes
9th 015	Lube Oil	Fawley	21 Apr 2021	1,998.792		2,004.581	-5.789	0.99711	yes
10th 014	Lube Oil	Port Jerome	16 Apr 2021	3,892.605		3,902.250	-9.645	0.99753	yes
11th 013	LUBE OIL	Rotterdam	10 Apr 2021	2,593.020		2,599.490	-6.470	0.99751	yes
12th 012	Lube Oils	Rotterdam	04 Apr 2021	3,981.070		3,978.040	3.030	1.00076	yes
13th 011	Lube Oil	Rotterdam	31 Mar 2021	2,945.460		2,950.560	-5.100	0.99827	yes
14th 010	Lube Oil	Port Jerome	26 Mar 2021	4,999.520		4,998.090	1.430	1.00029	yes
15th 009	Lube Oil	Port Jerome	20 Mar 2021	3,993.330		3,999.960	-6.630	0.99834	yes
16th 008	Lube Oil	Hamburg/Rotterdam	13 Mar 2021	4,600.128		4,600.977	-0.849	0.99982	yes
17th 007	Lube Oil	Rotterdam	28 Feb 2021	5,007.838		4,996.907	10.931	1.00219	yes
18th 006	Lube Oil	Port Jerome	22 Feb 2021	1,192.970		1,193.550	-0.580	0.99951	yes
19th 005	Lube Oil	Rotterdam	16 Feb 2021	4,993.760		4,993.600	0.160	1.00003	yes
20th 004	Lube Oil	Pjg	10 Feb 2021	6,092.730		6,091.660	1.070	1.00018	yes
Totals									
Totals				72,603.450		72,661.311			
Qualifying Totals				72,603.450		72,661.311			

First average (Total Ship/Total Shore)

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

Second average (Qualifying Total Ship/ Qualifying Total Shore)

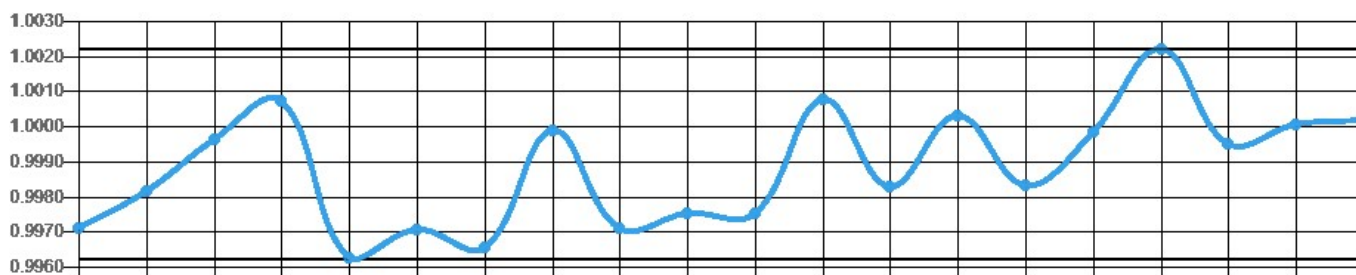
+ 0.3% of second average

0.99920 1.00220 - 0.3% 0.99620 0.99920 1.00220 - 0.3% 0.99620

**Vessel Experience Factor based on second average 0.9992**

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: Petre Christian

Rank: Chief Officer

Saybolt representative

J. Sierck

Saybolt Inspector

Saybolt van Duyn GmbH, Am Jachthafen 5, 21129 Hamburg, Germany

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SAIL4 VEF V4.0.10.11 2019/10/30

Date: 01 Jul 2021 09:34

Page 22 of 26

EXXONMOBIL PETROLEUM & CHEMICAL BV  
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Job No 10303/00021505.0000/01/I/21  
Report date 01 Jul 2021  
Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel** LS ANNE  
**Product** EHC 50, EHC 120

Outturn date: 30 Jun 2021

## Idle Cargo Tank Report

Tank / Compartment	Before		After	
	Cargo type	Volume ( cu m )	Cargo type	Volume ( cu m )
DTP	Water mixed with Oil	25.800	Water mixed with Oil	25.800
DTS	Empty	Nil	Empty	Nil

Tanks used by ship for previous ballast voyage:

Signed by: Ship's representative  
Name: Petre Christian  
Rank: Chief Officer

Saybolt representative  
J. Sierck  
Saybolt Inspector

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Job No 10303/00021505.0000/01/I/21  
Report date 01 Jul 2021  
Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel** LS ANNE  
**Product** EHC 50, EHC 120

Outturn date: 30 Jun 2021

## Document Receipt

The undersigned representative of the above mentioned object, hereby acknowledges receipt of the documents as listed below. Furthermore, these documents were received in good condition.

Title	Number of pages
Document Receipt	one
Time Log	one
Ullage Report Arrival	two
Ullage Report LoadPort	two
After Discharge Report	two
Vessel Experience Report	one
Idle Cargo Tank Report	one
Letter of Protest	two

Signed by: Ship's representative  
Name: Petre Christian  
Rank: Chief Officer

Saybolt representative  
J. Sierck  
Saybolt Inspector



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Job No 10303/00021505.0000/01/I/21  
Report date 01 Jul 2021  
Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel LS ANNE**

**Product EHC 50**

Outturn date: 30 Jun 2021

## 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:

Gross Quantity difference between Arrival (excl ROB) and Bill of Lading, being:

Arrival (excl ROB)	2,936,586 Liters 15°C	
Bill of Lading	2,929,955 Liters 15°C	-
<hr/>		
Difference	6,631 Liters 15°C	
Difference %	0.23 %	

Gross Quantity difference between Arrival (excl ROB) and Bill of Lading corrected by VEF, being:

Arrival (excl ROB)	2,938,937 Liters 15°C	VEF applied:	0.9992
Bill of Lading	2,929,955 Liters 15°C	-	
<hr/>			
Difference	8,982 Liters 15°C		
Difference %	0.31 %		

Furthermore, on behalf of our client, we reserve the right to refer to this matter at a later date.

Signature of this document is acknowledged of receipt only and not an admission of responsibility for the incident.

Signed by: Ship's representative  
Name: Petre Christian  
Rank: Chief Officer

Shore representative  
Loading Master

Saybolt representative  
J. Sierck  
Saybolt Inspector

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Report date 01 Jul 2021  
Installation Hamburg, Germany, EVOS Hamburg GmbH

**Vessel LS ANNE**  
**Product EHC 120**

Outturn date: 30 Jun 2021

## 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:

Gross Quantity difference between Arrival (excl ROB) and Bill of Lading, being:

Arrival (excl ROB)	2,495.245	Metric Tons Air	
Bill of Lading	2,489.264	Metric Tons Air	-

---

Difference	5.981	Metric Tons Air
Difference %	0.24	%

Gross Quantity difference between Arrival (excl ROB) and Bill of Lading corrected by VEF, being:

Arrival (excl ROB)	2,497.243	Metric Tons Air	VEF applied:	0.9992
Bill of Lading	2,489.264	Metric Tons Air		-

---

Difference	7.979	Metric Tons Air
Difference %	0.32	%

Furthermore, on behalf of our client, we reserve the right to refer to this matter at a later date.

Signature of this document is acknowledged of receipt only and not an admission of responsibility for the incident.

Signed by: Ship's representative  
Name: Petre Christian  
Rank: Chief Officer

Shore representative  
Loading Master

Saybolt representative  
J. Sierck  
Saybolt Inspector