

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK-95, SOK98

Outturn date: 26 Aug 2020

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
Time Log	one
Summary Discharge (GSV)	two
Sample Report	one
Certificate of Quantity	two
Ullage Report Arrival	two
Ullage Report LoadPort	two
Letter of Protest	two
After Discharge Report	two
Bunker Report	one

This report consists of 16 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: Christian Koch

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.

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK-95, SOK98

Outturn date: 26 Aug 2020

Time Log

26 Aug 2020 (Wednesday)

00:30	Object arrived at Installation
00:30	Delay: Waiting for shorereadiness (5 hours)
01:15	Moored Alongside Berth (All Fast)
05:30	Saybolt onboard before Operation
05:30	Commenced Initial Inspection
06:45	Hose / Arm Connected (SOK98)
06:45	Hose / Arm Connected (SOK-95)
06:50	COMMENCED DISCHARGE (SOK98)
09:10	COMPLETED DISCHARGE (SOK98)
10:15	COMMENCED DISCHARGE (SOK-95)
14:45	COMPLETED DISCHARGE (SOK-95)
14:55	Saybolt onboard after Operation
15:00	Commenced Final Inspection
15:05	Hose / Arm Disconnected (SOK98)
15:05	Hose / Arm Disconnected (SOK-95)
15:15	Completed Final Inspection and Calculations, Tank(s) Inspected on Emptiness
15:40	Documents on Board
16:00	Object Sailed / Departed

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK-95

Outturn date: 26 Aug 2020

Summary Discharge (GSV)

Gross Standard Volume Data

GSV Figures	Loadport Incl OBQ	Disport Incl ROB	Δ Quantity	Δ %
Liters 15°C	1,319,133	1,318,757	-376	-0.03
Barrels 60°F	8,303	8,300	-3	-0.04
Metric Tons Vac	990.652	990.370	-0.282	-0.03
Metric Tons Air	989.218	988.936	-0.282	-0.03
GSV Figures	Loadport Excl OBQ	Disport Excl ROB	Δ Quantity	Δ %
Liters 15°C	1,319,133	1,318,757	-376	-0.03
Barrels 60°F	8,303	8,300	-3	-0.04
Metric Tons Vac	990.652	990.370	-0.282	-0.03
Metric Tons Air	989.218	988.936	-0.282	-0.03
GSV Figures	Bill of Lading	Shore receipt	Δ Quantity	Δ %
Liters 15°C	1,316,363	1,317,816	1,453	0.11
Barrels 60°F		8,294		
Metric Tons Vac		989.628		
Metric Tons Air	987.141	988.195	1.054	0.11

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Discharged	0.7510		56.85	0.7513	
Bill of Lading	0.7510	0.7465	56.85	0.7513	
Shore Receipt	0.7510	0.7465	56.85	0.7513	

General Data

Loadport Karlsruhe

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK98

Outturn date: 26 Aug 2020

Summary Discharge (GSV)

Gross Standard Volume Data

GSV Figures	Loadport Incl OBQ	Disport Incl ROB	Δ Quantity	Δ %
Liters 15°C	404,390	404,216	-174	-0.04
Barrels 60°F	2,545	2,544	-1	-0.04
Metric Tons Vac	301.667	301.537	-0.130	-0.04
Metric Tons Air	301.230	301.100	-0.130	-0.04

GSV Figures	Loadport Excl OBQ	Disport Excl ROB	Δ Quantity	Δ %
Liters 15°C	404,390	404,216	-174	-0.04
Barrels 60°F	2,545	2,544	-1	-0.04
Metric Tons Vac	301.667	301.537	-0.130	-0.04
Metric Tons Air	301.230	301.100	-0.130	-0.04

GSV Figures	Bill of Lading	Shore receipt	Δ Quantity	Δ %
Liters 15°C	406,339	404,044	-2,295	-0.56
Barrels 60°F		2,543		
Metric Tons Vac		301.380		
Metric Tons Air	302.682	300.944	-1.738	-0.57

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Discharged	0.7460		58.12	0.7462	
Bill of Lading	0.7460	0.7415	58.12	0.7462	
Shore Receipt	0.7459	0.7414	58.14	0.7462	

General Data

Loadport Karlsruhe

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK-95, SOK98

Outturn date: 26 Aug 2020

Sample Report

Grade	Description	Sealed	Distribution	Amount	Volume
SOK-95	Tb Dintel:Multiple tank composite from barge tanks before discharge	Open	Retain	1	3.0 liters
SOK98	Tb Dintel:Multiple tank composite from barge tanks before discharge	Open	Retain	1	3.0 liters
Total Samples				2	

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

Information

Samples drawn by	Saybolt Inspector
Shoretank sampling location	N/A
Type / condition of sampling containers	New and 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.
Due to restrictions enforced by terminal/refinery/vessels management and/or local laws and regulations, samples of concerned object have been taken via a closed/restricted sampling system. With reference to API MPMS 12.11 it should be noted that when taking vessel samples, it may not be possible to obtain representative samples of nonhomogeneous cargoes due to the inherent nature of the cargo and the sampling restrictions.

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK-95

Outturn date: 26 Aug 2020

Certificate of Quantity

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

	Gross	Net
Liters 15°C	1,317,816	1,317,816
Barrels 60°F	8,294	8,294
Metric Tons vac	989.628	989.628
Metric Tons air	988.195	988.195

These quantities have been determined by measurement of shore tanks.

Outturn Dens. 15°C Vac	0.7510
Outturn Density 20°C	0.7465
Outturn Api 60°F	56.85
Outturn RD 60/60°F	0.7513

Criteria used

Liters 15°C (1000) to US Barrels 60°F	ASTM Table 52	6.294
Metric Tons Air to Metric Tons Vac	ASTM Table 56	1.00145

Signed by: Saybolt representative

Name:

Rank: Saybolt Inspector

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK98

Outturn date: 26 Aug 2020

Certificate of Quantity

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

	Gross	Net
Liters 15°C	404,044	404,044
Barrels 60°F	2,543	2,543
Metric Tons vac	301.380	301.380
Metric Tons air	300.944	300.944

These quantities have been determined by measurement of shore tanks.

Outturn Dens. 15°C Vac	0.7459
Outturn Density 20°C	0.7414
Outturn Api 60°F	58.14
Outturn RD 60/60°F	0.7462

Criteria used

Liters 15°C (1000) to US Barrels 60°F	ASTM Table 52	6.294
Metric Tons Air to Metric Tons Vac	ASTM Table 56	1.00145

Signed by: Saybolt representative

Name:

Rank: Saybolt Inspector

ESSO DEUTSCHLAND GMBH
CAFFAMACHERRIEHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK-95

Outturn date: 26 Aug 2020

Ullage Report Arrival

Survey Date and Time 26 Aug 2020 05:30

Dens. 15°C Vac

0.7510

Tank	Innage mm	Innage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54B	GSV Liters 15°C
C2	3194		288,296			288,296	24.40	0.9886	285,009
C3	3220		291,625			291,625	24.80	0.9883	288,213
C4	3340		303,254			303,254	24.20	0.9889	299,888
C6	2693		242,902			242,902	23.20	0.9901	240,497
C8	2280		207,390			207,390	24.00	0.9892	205,150
Totals			1,333,467			1,333,467			1,318,757

Summary Totals

On-board figures	ROB Information	Draft	Correction
GSV Liters 15°C	1,318,757	FORE m	2.10 TRIM m
TCV Liters 15°C	1,318,757	AFT m	2.10 LIST °

On-board figures	Discharged figures
GSV Liters 15°C	1,318,757 GSV Disch. Ltrs 15°C
GSV Barrels 60°F	8,300 GSV Disch. Bbls 60°F
MT vac	990.370 MT Vac Disch.
MT air	988.936 MT Air Disch.

Remarks

Not allowed to open the tank hatches to measure the barge manually,
nor to open the tank hatches to verify the automatic gauge system.

Signed by: Ship's representative
Name: D.König
Rank: Barge Master

Saybolt representative
Hartmann; Kai
Saybolt Inspector

Measurements in accordance with API standards.

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK-95

Outturn date: 26 Aug 2020

Ullage Report LoadPort

Survey Date and Time

Dens. 15°C Vac

0.7510

Tank	Innage mm	Innage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54B	GSV Liters 15°C
C2	3194		288,296			288,296	24.10	0.9892	285,182
C3	3224		291,995			291,995	25.30	0.9877	288,403
C4	3338		303,069			303,069	24.20	0.9889	299,705
C6	2695		243,087			243,087	23.60	0.9898	240,608
C8	2283		207,665			207,665	24.70	0.9883	205,235
Totals			1,334,112			1,334,112			1,319,133

Summary Totals

On-board figures	OBQ Information	Draft	Correction
GSV Liters 15°C	1,319,133	FORE m	TRIM m
TCV Liters 15°C	1,319,133	AFT m	LIST °

On-board figures

GSV Liters 15°C	1,319,133	Average Product Temp °C	24.39
GSV Barrels 60°F	8,303		
MT vac	990.652		
MT air	989.218		

Remarks

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

Signed by: Ship's representative
Name: D.König
Rank: Barge Master

Saybolt representative

Saybolt Inspector

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK98

Outturn date: 26 Aug 2020

Ullage Report Arrival

Survey Date and Time 26 Aug 2020 05:30

Dens. 15°C Vac

0.7460

Tank	Innage mm	Innage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54B	GSV Liters 15°C
C1	2534		218,491			218,491	25.10	0.9879	215,847
C7	2117		190,041			190,041	22.20	0.9912	188,369
Totals			408,532			408,532			404,216

Summary Totals

On-board figures	ROB Information	Draft	Correction
GSV Liters 15°C	404,216	FORE m	2.10 TRIM m
TCV Liters 15°C	404,216	AFT m	2.10 LIST °

On-board figures	Discharged figures
GSV Liters 15°C	404,216 GSV Disch. Ltrs 15°C
GSV Barrels 60°F	2,544 GSV Disch. Bbls 60°F
MT vac	301.537 MT Vac Disch.
MT air	301.100 MT Air Disch.

Remarks

Not allowed to open the tank hatches to measure the barge manually,
nor to open the tank hatches to verify the automatic gauge system.

Signed by: Ship's representative
Name: D.König
Rank: Barge Master

Saybolt representative
Hartmann; Kai
Saybolt Inspector

Measurements in accordance with API standards.

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK98

Outturn date: 26 Aug 2020

Ullage Report LoadPort

Survey Date and Time

Dens. 15°C Vac

0.7460

Tank	Innage mm	Innage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54B	GSV Liters 15°C
C1	2538		218,854			218,854	25.10	0.9879	216,206
C7	2115		189,855			189,855	22.20	0.9912	188,184
Totals			408,709			408,709			404,390

Summary Totals

On-board figures	OBQ Information	Draft	Correction
GSV Liters 15°C	404,390	FORE m	TRIM m
TCV Liters 15°C	404,390	AFT m	LIST °

On-board figures

GSV Liters 15°C	404,390	Average Product Temp °C	23.75
GSV Barrels 60°F	2,545		
MT vac	301.667		
MT air	301.230		

Remarks

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

Signed by: Ship's representative
Name: D.König
Rank: Barge Master

Saybolt representative

Saybolt Inspector

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK-95, SOK98

Outturn date: 26 Aug 2020

Letter of Protest

Dear Sirs,

As appointed surveyors for the above mentioned assignment, we are instructed by our principal(s) to take samples of Vessel cargo tanks via the open hatch procedure discharge.

Opening of the tank hatches is not allowed due to the following reason(s):

1. General terminal regulations
2. General ship's policy

Consequently, we are obliged to obtain samples .

We trust that the vapour lock, ship's circulation lines and sampling points are clean and/or appropriate for sampling of the above mentioned cargo. Saybolt can not be held responsible for those areas beyond visual inspection and/or the effectiveness of the cleaning methods.

Please be informed that if aforesaid procedure would results in off spec analysis, we will reject all responsibility for any extra costs, such as costs for re-sampling and re-analyzing, delays or other detrimental consequences.

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

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

Signed by: Ship's representative
Name: D.König
Rank: *Barge Master*

Shore representative

Saybolt representative
Hartmann,Kai
Saybolt Inspector

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK98

Outturn date: 26 Aug 2020

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 discharge port ships figures, being	-1,582	Metric Tons Air	-0.52	%
Bill of Lading figure and outturn figures, being	-1,738	Metric Tons Air	-0.57	%
Bill of Lading figure	302.682	Metric Tons Air		
Discharge port ships figure	301.100	Metric Tons Air		
Official Outturn figure	300,944	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: D.König
Rank: *Barge Master*

Shore representative

Saybolt representative
Hartmann,Kai
Saybolt Inspector

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK-95

Outturn date: 26 Aug 2020

After Discharge Report

Date of Inspection: 26 Aug 2020
Time of Inspection: 15:15

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:

C2, C3, C4, C6, C8

Signed by: Ship's representative
Name: D.König
Rank: *Barge Master*

Saybolt representative
Hartmann,Kai
Saybolt Inspector

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK98

Outturn date: 26 Aug 2020

After Discharge Report

Date of Inspection: 26 Aug 2020
Time of Inspection: 15:15

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:

C1, C7

Signed by: Ship's representative
Name: D.König
Rank: *Barge Master*

Saybolt representative
Hartmann,Kai
Saybolt Inspector

ESSO DEUTSCHLAND GMBH
CAFFAMACHERREIHE 5
20355 HAMBURG
Germany
Mr. N. Spanos
DEEBARGFIN-2008-0085



Job No 10304/00003526.0000/01/I/20
Report date 26 Aug 2020
Installation Raunheim, Germany, Unitank

Barge Dintel
Product SOK-95, SOK98

Outturn date: 26 Aug 2020

Bunker Report Fuel Oil

Main engine type:

Daily consumption	at sea, speed	MT	Last port:
	in port (loading):	MT	Departure date:
	in port (discharge):	MT	Departure Fuel Oil MT:
	at anchor:	MT	

Arrival bunkers

Date and time of measurements	26 Aug 2020 05:30	Draft Forward	m	2.10
Gauges are corrected by trim	No	Draft Aft	m	2.10
Laboratory analysis carried out?	No	Trim:	m	nil

Tank	Innage mm	% LEL	Observed Liters	Temp. °C	VCF 54B	GSV liters 15°C	Dens 15°C	Metric Tons Air
BugStrahl			7,600					
SB			10,900					
BB			10,200					

Departure Bunkers

Date and time of measurement	26 Aug 2020 15:15	Draft Forward	m
Gauges are corrected by trim?	No	Draft Aft	m
Laboratory analysis carried out?	No	Trim	m

Tank	Innage mm	% LEL	Observed Liters	Temp. °C	VCF 54B	GSV liters 15°C	Dens 15°C	Metric Tons Air
BugStrahl			7,400					
SB			10,700					
BB			10,200					

Totals

	Arrival	Departure	Difference	Bunkers Loaded this port
GSV liters 15°C				GSV liters 15°C
Metric Tons Air				Metric Tons Air H.F.O.
Dens 15°C				Dens 15°C

Signed by: Ship's representative
Name: D.König
Rank: Barge Master

Saybolt representative

Saybolt Inspector