

EXXONMOBIL ASIA PACIFIC PTE LTD
1 HARBOURFRONT PLACE, RU 4733
#06-00 HARBOURFRONT TOWER ONE
098633 SINGAPORE
Singapore
Mr. A. van Meulder
INTB009FIN-2011-0222



Job No 10304/00003693.0000/01/I/20
Report date 26 Nov 2020
Installation Karlsruhe, Germany, Miro

Barge **Bohemia II**
Product **FAME**

Outturn date: 26 Nov 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:

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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: Thomas Windbuehl

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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Time Log

24 Nov 2020 (Tuesday)

23:50	Object arrived at Installation
23:55	Saybolt onboard before Operation

25 Nov 2020 (Wednesday)

!	00:20	Delay: Waiting for shorereadiness (34 hours and 10 minutes)
	00:45	Completed Initial Inspection and Calculations, Tank(s) Measured and Sampled

26 Nov 2020 (Thursday)

	10:30	Moored Alongside Berth (All Fast)
	11:00	Hose / Arm Connected
	11:15	COMMENCED DISCHARGE
	17:50	COMPLETED DISCHARGE
	18:00	Saybolt onboard after Operation
	18:15	Documents on Board
	18:15	Completed Final Inspection and Calculations, Tank(s) Inspected on Emptiness
	18:30	Hose / Arm Disconnected
	19:00	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	1,246,260	1,246,224	-36	
Barrels 60°F	7,843	7,842	-1	-0.01
Metric Tons Vac	1,099.702	1,099.670	-0.032	
Metric Tons Air	1,098.329	1,098.297	-0.032	
GSV Figures	Loadport Excl OBQ	Disport Excl ROB	Δ Quantity	Δ %
Liters 15°C	1,246,260	1,246,224	-36	
Barrels 60°F	7,843	7,842	-1	-0.01
Metric Tons Vac	1,099.702	1,099.670	-0.032	
Metric Tons Air	1,098.329	1,098.297	-0.032	
GSV Figures	Bill of Lading	Shore receipt	Δ Quantity	Δ %
Liters 15°C	1,245,014	1,245,014		
Barrels 60°F		7,835		
Metric Tons Vac	1,098.645	1,098.645		
Metric Tons Air	1,097.276	1,097.276		

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Discharged	0.8824		28.77	0.8829	
Bill of Lading	0.8824	0.8789	28.77	0.8829	
Shore Receipt	0.8824	0.8789	28.77	0.8829	

General Data

Loadport Rotterdam

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Sample Report

Grade	Description	Sealed	Distribution	Amount	Volume
FAME	Tb Bohemia II: Multiple tank composite from barge tanks before discharge	Open	Retain	1	3.0 liters
Total Samples				1	

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.
Sampling acc. ASTM D 4057.

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Ullage Report Arrival

Survey Date and Time 25 Nov 2020 00:45

Dens. 15°C Vac

0.8824

Tank	Innage mm	Innage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54B	GSV Liters 15°C
C 1	4279		342,712			342,712	14.20	1.0006	342,918
C 5	4277		350,404			350,404	14.80	1.0002	350,474
C 7	4268		350,139			350,139	14.10	1.0008	350,419
C 11	2496		202,292			202,292	14.20	1.0006	202,413
Totals			1,245,547			1,245,547			1,246,224

Summary Totals

On-board figures	ROB Information	Draft	Correction
GSV Liters 15°C	1,246,224	FORE m	1.90 TRIM m
TCV Liters 15°C	1,246,224	AFT m	1.90 LIST °

On-board figures	Discharged figures
GSV Liters 15°C	1,246,224 GSV Disch. Ltrs 15°C
GSV Barrels 60°F	7,842 GSV Disch. Bbls 60°F
MT vac	1,099.670 MT Vac Disch.
MT air	1,098.297 MT Air Disch.

Remarks

Reference heigh was checked with no noticable findings.
Ships measurement system was checked against Saybolt equipment KA010/HH 651 (tape & thermometer).

Signed by: Ship's representative
Name: van Laar
Rank: Barge Master

Saybolt representative
A.Schmidt
Saybolt Inspector

Measurements in accordance with API standards.

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Ullage Report LoadPort

Survey Date and Time

Dens. 15°C Vac

0.8824

Tank	Innage mm	Innage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54B	GSV Liters 15°C
C 1	4291		343,684			343,684	17.20	0.9982	343,065
C 5	4293		351,720			351,720	18.10	0.9976	350,876
C 7	4281		351,209			351,209	17.70	0.9978	350,436
C 11	2494		202,126			202,126	16.60	0.9988	201,883
Totals			1,248,739			1,248,739			1,246,260

Summary Totals

On-board figures	OBQ Information	Draft	Correction
GSV Liters 15°C	1,246,260	FORE m	TRIM m
TCV Liters 15°C	1,246,260	AFT m	LIST °

On-board figures

GSV Liters 15°C	1,246,260	Average Product Temp °C	17.50
GSV Barrels 60°F	7,843		
MT vac	1,099.702		
MT air	1,098.329		

Remarks

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

Signed by: Ship's representative
 Name: van Laar
 Rank: Barge Master

Saybolt representative

Saybolt Inspector

Saybolt van Duyn GmbH, II. Schnieringstraße 57, 45329 Essen, Germany
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 Website: www.corelab.com E-mail: Saybolt.Essen@corelab.com

Date: 27 Nov 2020 06:47
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All our activities are carried out under Saybolt's terms and conditions, available at www.corelab.com/saybolt/terms-conditions
 SAIL4 ULL V4.1.1.8 2020/08/03

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After Discharge Report

Date of Inspection: 26 Nov 2020
Time of Inspection: 1,815

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:

C 1, C 5, C 7, C 11

Remarks:

None

Signed by: Ship's representative
Name: van Laar
Rank: *Barge Master*

Saybolt representative
A.Schmidt
Saybolt Inspector

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Idle Cargo Tank Report

Tank / Compartment	Before		After	
	Cargo type	Volume (Liters)	Cargo type	Volume (Liters)
C 2		Empty		Empty
C 3		Empty		Empty
C 4		Empty		Empty
C 6		Empty		Empty
C 8		Empty		Empty
C 9		Empty		Empty
C 10		Empty		Empty

Tanks used by ship for previous ballast voyage:

Signed by: Ship's representative
Name: van Laar
Rank: Barge Master

Saybolt representative
A.Schmidt
Saybolt Inspector

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Statement of Facts

Dear Sirs,

This is to advise that we, Saybolt, as Independent Surveyors on behalf of our clients wish to draw attention of all parties to the following:
We herewith inform you that we are not able to perform any inspection on refinery ground, as per local restrictions enforced by MiRO refinery.
All inspections are carried out in the harbor area.
No manual measurements, sampling or any other inspection services are possible on shore side of MiRO refinery.
MiRO refinery has no facilities to measure incoming quantities or qualities.
As per standard terminal practice, BL figures are assumed as received quantity and will therefore match Outturn figures.
This is and has been communicated to all parties involved before we attend an inspection and has been generally accepted.
Furthermore, on behalf of our client, we reserve the right to refer to this matter at a later date.

Signed by: Ship's representative
Name: van Laar
Rank: *Barge Master*

Shore representative
Loading Master

Saybolt representative
Saybolt Inspector