To Whom It May Concern

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Saybolt
A CORE LABORATORIES COMPANY

Job No 13052/00002217.0000/01/I/20
Report date 06 Nov 2020
Installation Houston, United States of America, ExxonMobil Baytown

Barge CBC 306
Product EHC 45

Bill of Lading date: 04-Nov-2020

Summary Loading (GSV)

Gross Standard Volume Data

GSV Figures	Loaded excl OBQ	Bill of Lading	Δ Quantity	Δ %
Liters 15°C	4,068,337	4,075,690	-7,353	-0.18
Liters 20°C	4,083,569	4,090,949	-7,380	-0.18
Cu m 15°C	4,068.337	4,075.690	-7.353	-0.18
Cu m 60°F	4,070.005	4,077.361	-7.356	-0.18
Barrels 60°F	25,599.56	25,645.83	-46.27	-0.18
US Gallons 60°F	1,075,181.52	1,077,124.86	-1,943.34	-0.18
Metric Tons Vac	3,426.675	3,432.869	-6.194	-0.18
Metric Tons Air	3,422.309	3,428.495	-6.186	-0.18
Long Tons Air	3,368.259	3,374.346	-6.087	-0.18
Short Tons Air	3,772.450	3,779.268	-6.818	-0.18
Pounds	7,544,900	7,558,536	-13,636	-0.18

GSV Figures (VEF Adjusted)	Loaded adjusted by VEF	Bill of Lading	Δ Quantity	Δ %
Liters 15°C	4,068,337	4,075,690	-7,353	-0.18
Liters 20°C	4,083,569	4,090,949	-7,380	-0.18
Barrels 60°F	25,599.56	25,645.83	-46.27	-0.18

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Loaded	0.84228		36.40	0.84276	
Bill of Lading	0.84228		36.40	0.84276	

General Data	
Vessel Loaded Ratio	0.99820

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Saybolt
A CORE LABORATORIES COMPANY

Job No	13052/00002217.0000/01/I/20
Report date	06 Nov 2020
Installation	Houston, United States of America, ExxonMobil Baytown
Barge	**CBC 306**
Product	**EHC 45**

Bill of Lading date: 04-Nov-2020

Time Log

03 Nov 2020 (Tuesday)	
17:20	Object arrived at Installation
17:40	Moored Alongside Berth (All Fast)
18:00	Gangway in Place
19:40	Saybolt onboard before Operation
19:45	Commenced Initial Inspection
20:00	Completed Initial Inspection, Tank(s) Inspected and Accepted
20:40	ST 35 Gauged Open
23:10	Hose / Arm Connected
23:25	COMMENCED LOADING
23:50	Suspended loading for LFV
04 Nov 2020 (Wednesday)	
00:25	Commenced LFV Inspection
00:45	*Completed LFV Inspection*
01:00	Resumed Loading
09:00	COMPLETED LOADING
10:05	Hose / Arm Disconnected
10:20	Saybolt onboard after Operation
10:25	Commenced Final Inspection
11:05	Completed Final Inspection and Calculations, Tank(s) Measured and Sampled
13:45	ST 35 Gauged Close

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Job No 13052/00002217.0000/01/I/20
Report date 06 Nov 2020
Installation Houston, United States of America, ExxonMobil Baytown

Barge CBC 306
Product EHC 45

Bill of Lading date: 04-Nov-2020

Shore Tank Report Single

Shore tank 35 at EXXONMOBIL

Shore tank measurement		Open	Close
Date / Time of measurement		03 Nov 2020 20:40	04 Nov 2020 13:45
Average Innage	FT/IN	38-8-7	25-4-5
Average temp.	°F	78.9	78.0
T.O.V.	Barrels	75,101.58	49,239.41
Water	FT/IN	N/D	ND
Ambient temp.	°F	60.00	75.00
Tank shell temp.	°F	77.00	78.00
CTsh		1.00021	1.00022
G.O.V.	Barrels	75,117.35	49,250.24
API 60°F		36.40	36.40
V.C.F.	6D	0.99215	0.99252
G.S.V.	barrels 60°F	74,527.68	48,881.85
W.C.F.	MPMS 11.5.1.4.12	0.131574861	0.131574861
W.C.F.	MPMS 11.5.1.4.15	0.133686230	0.133686230
Long Tons		9,805.969	6,431.623
Metric Tons Air		9,963.325	6,534.830

Totals				GSV	NSV
T.O.V.	Barrels	25,862.17	Liters 15°C	4,075,690	
G.O.V.	Barrels	25,867.11	Liters 20°C	4,090,949	
			Cu m 15°C	4,075.690	
Density 15°C	kg/l	0.84228	Cu m 60°F	4,077.361	
RD 60/60°F		0.84276	Barrels 60°F	25,645.83	
API 60°F		36.40	US Gallons 60°F	1,077,124.86	
			Metric Tons Vac	3,432.869	
Average Temp.	°F	80.6	Metric Tons Air	3,428.495	
			Long Tons Air	3,374.346	
Tables used:	6D and W.C.F. MPMS 11.5.1.4.12.		Short Tons Air	3,779.268	
			Pounds	7,558,536	

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Job No 13052/00002217.0000/01/I/20
Report date 06 Nov 2020
Installation Houston, United States of America, ExxonMobil Baytown

Barge CBC 306
Product EHC 45

Bill of Lading date: 04-Nov-2020

Shore Tank Subtotals

Shore tank Subtotals	Totals	35
Gross Standard Volume		
Liters 15°C	4,075,690	4,075,690
Cu m 15°C	4,075.690	4,075.690
Liters 20°C	4,090,949	4,090,949
Cu m 60°F	4,077.361	4,077.361
Barrels 60°F	25,645.83	25,645.83
US gallons 60°F	1,077,124.86	1,077,124.86
Metric Tons Vac	3,432.869	3,432.869
Metric Tons Air	3,428.495	3,428.495
Long Tons Air	3,374.346	3,374.346
Short Tons Air	3,779.268	3,779.268
Pounds Air	7,558,536	7,558,536
Density 15°C		0.84228
API 60°F		36.40
RD 60/60°		0.84276
Net Standard Volume		
Liters 15°C	4,075,690	
Liters 20°C	4,090,949	
Cu m 15°C	4,075.690	
Cu m 60°F	4,077.361	
Barrels 60°F	25,645.83	
US gallons 60°F	1,077,124.86	
Metric Tons Vac	3,432.869	
Metric Tons Air	3,428.495	
Long Tons Air	3,374.346	
Short Tons Air	3,779.268	
Pounds Air	7,558,536	
Total Calculated Volume		
Liters 15°C		4,075,690
Liters 20°C		4,090,949
Barrels 60°F	25,645.83	25,645.83
US gallons 60°F		1,077,124.86

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Saybolt
A CORE LABORATORIES COMPANY

Job No 13052/00002217.0000/01/I/20
Report date 06 Nov 2020
Installation Houston, United States of America, ExxonMobil Baytown

Barge CBC 306
Product EHC 45

Bill of Lading date: 04 Nov 2020

Certificate of Quantity

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

	Gross	Net
Liters 15°C	4,075,690	4,075,690
Liters 20°C	4,090,949	4,090,949
Cubic meters 15°C	4,075.690	4,075.690
Cubic meters 60°F	4,077.361	4,077.361
Barrels 60°F	25,645.83	25,645.83
US Gallons 60°F	1,077,124.86	1,077,124.86
Metric Tons vac	3,432.869	3,432.869
Metric Tons air	3,428.495	3,428.495
Long Tons	3,374.346	3,374.346
Short Tons	3,779.268	3,779.268
Pounds	7,558,536	7,558,536
These quantities have been determined by measurement of shore tanks.		
B/L API 60°F	36.40	
B/L Density 15°C	0.84228	
B/L RD 60/60°F	0.84276	

Criteria used		
US Barrels 60°F to US Gallons 60°F	MPMS 11.5 - Annex D	42
US Barrels 60°F to Liters 15°C	MPMS 11.5.1 - 4.20	158.922137
US Barrels 60°F to Cu m 60°F	MPMS 11.5 - Annex D	0.158987304
Metric Tons Air to Metric Tons Vac	MPMS 11.5.3 - 4.5	1.001275667
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.1336862302
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1315748605
Long Tons to Short Tons	MPMS 11.5 - Annex D	1.12

Signed by: Saybolt representative
Name:
Rank: Saybolt Inspector

Date: 06 Nov 2020

...
Tel. FAX
Website: E-mail:

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A CORE LABORATORIES COMPANY

Job No 13052/00002217.0000/01/I/20
Report date 06 Nov 2020
Installation Houston, United States of America, ExxonMobil Baytown

Barge CBC 306
Product EHC 45

Bill of Lading date: 04-Nov-2020

Ullage Report Arrival

Survey Date and Time 03 Nov 2020 20:00

API 60°F

Tank	ullage FT/IN	ullage corr FT/IN	TOV Barrels	Free water FT/IN	Free water Barrels	GOV Barrels	Temp °F	VCF table 6D	GSV Barrels 60°F
1P	N/D			NIL			60.00	1.00000	
1S	N/D			NIL			60.00	1.00000	
2P	N/D			NIL			60.00	1.00000	
2S	N/D			NIL			60.00	1.00000	
3P	N/D			NIL			60.00	1.00000	
3S	N/D			NIL			60.00	1.00000	

Summary Totals

On-board figures

	Draft			Correction		
	FORE	m	2.00	TRIM	m	nil
	AFT	m	2.00	LIST	°	0-0-0

On-board figures

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

Saybolt representative
K STEPHENS
Saybolt Inspector

Measurements in accordance with API standards.

, , ,
Tel. FAX
Website: E-mail:

Date: 06 Nov 2020

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Report date 06 Nov 2020
Installation Houston, United States of America, ExxonMobil Baytown

Barge CBC 306
Product EHC 45

Bill of Lading date: 04-Nov-2020

Ullage Report Departure

Survey Date and Time 04 Nov 2020 11:05 API 60°F 36.40

Tank	ullage FT/IN	ullage corr FT/IN	TOV Barrels	Free water FT/IN	Free water Barrels	GOV Barrels	Temp °F	VCF table 6D	GSV Barrels 60°F
1P	12-2-0		4,479.67	ND		4,479.67	78.40	0.99236	4,445.45
1S	12-3-6		4,531.12	ND		4,531.12	78.40	0.99236	4,496.50
2P	11-7-2		4,175.33	ND		4,175.33	78.50	0.99232	4,143.26
2S	11-4-6		4,101.76	ND		4,101.76	78.50	0.99232	4,070.26
3P	11-11-6		4,266.67	ND		4,266.67	78.40	0.99236	4,234.07
3S	11-11-0		4,242.43	ND		4,242.43	78.40	0.99236	4,210.02
Totals			25,796.98			25,796.98			25,599.56

Summary Totals

On-board figures		OBQ Information	Draft			Correction		
GSV Barrels 60°F	25,599.56		FORE	m	10.00	TRIM	m	nil
TCV Barrels 60°F	25,599.56		AFT	m	10.00	LIST	°	

On-board figures		Loaded figures			
GSV Liters 15°C	4,068,337	GSV Loaded Ltrs 15°C	4,068,337	Average Product Temp °F	78.4
GSV Liters 20°C	4,083,569	Cu m 15°C Loaded	4,068.337		
GSV Cu m 15°C	4,068.337	Cu m 60°F Loaded	4,070.005		
GSV Cu m 60°F	4,070.005	GSV Loaded Bbls 60°F	25,599.56		
GSV Barrels 60°F	25,599.56	GSV Loaded US Gls 60°F	1,075,181.52		
GSV US gallons 60	1,075,181.52	MT Vac Loaded	3,426.675		
MT vac	3,426.675	MT Air Loaded	3,422.309		
MT air	3,422.309	LT Loaded	3,368.259		
LT	3,368.259	ST Loaded	3,772.450		
ST	3,772.450	Pounds Loaded	7,544,900		
Pounds	7,544,900				

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

Saybolt representative
DB
Saybolt Inspector

Measurements in accordance with API standards.

Tel. FAX
Website: E-mail:

Date: 06 Nov 2020

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Saybolt
A CORE LABORATORIES COMPANY

Job No 13052/00002217.0000/01/I/20
Report date 06 Nov 2020
Installation Houston, United States of America, ExxonMobil Baytown

Barge CBC 306
Product EHC 45

Bill of Lading date: 04-Nov-2020

Reference Height and Measurement data report

Manual Tank Heights

Tank	Calibrated Reference Height in FT/IN	Found Reference Height in FT/IN		Gauging Location
		Before	After	
1P	16-4-2	16-4-2	16-4-2	Center
1S	16-4-0	16-4-0	16-4-0	Center
2P	16-4-4	16-4-4	16-4-4	Center
2S	16-4-0	16-4-0	16-4-0	Center
3P	16-3-4	16-3-4	16-3-4	Center
3S	16-3-4	16-3-4	16-3-4	Center

* Tanks where full sounding depth could not be reached due to obstructions or tankcontours.

Draft	Before		After	
FWD	m	2-0	m	10-0
AFT	m	2-0	m	10-0

Measurement data Before Operations

Survey Date and Time	03 Nov 2020 20:00	Gauge equipment type	Saybolt equipment
Water Measurement Method	Paste - COLORCUT	Gauge equipment used	Manual tape
Weather Condition	Clear Sky	Gauge equipment number	20016
Sea Condition	Calm (glassy) - 0 m (0 ft)	Temp equipment type	Saybolt equipment
		Temp equipment used	Portable Electronic Thermometer
		Temp equipment number	1076

Measurement data After Operations

Survey Date and Time	04 Nov 2020 11:05	Gauge equipment type	Saybolt equipment
		Gauge equipment used	Manual tape
		Gauge equipment number	20010
		Temp equipment type	Saybolt equipment
		Temp equipment used	Portable Electronic Thermometer
		Temp equipment number	1025

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

Saybolt representative
DB
Saybolt Inspector

Date: 06 Nov 2020

Tel. FAX
Website: E-mail:

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Report date 06 Nov 2020
Installation Houston, United States of America, ExxonMobil Baytown

Barge CBC 306
Product EHC 45

Bill of Lading date: 04-Nov-2020

Line Displacement Report

Mineral

On your request a line displacement was carried out before loading of the above mentioned vessel, in order to check the condition of the shoreline, and we report as follows:

Capacity of shoreline from tankside to ships manifold	700	
Shore tank(s) used	35	
Tanks API 60°F	36.40	36.40
Shore line(s) used	95	
Shore line API 60°F	36.40	
Ship tank(s) used	3P	
Ships API 60°F	36.40	

Shore Line Displacement Comparison

			Observed Volume Barrels	Temperature °F	Standard Volume Barrels
Shore					
A	Shore tank 35 quantity before		75,101.58		
B	Shore tank 35 quantity after		74,315.90		
C	Shore tank difference	(A-B)	785.68		
D	Shore tank quantity before		0		
E	Shore tank quantity after				
F	Shore tank difference	(D-E)	0		
G	Total shore difference	(C+F)	785.68		
Vessel					
K	Ship tanks quantity before		0		
L	Ship tanks quantity after		756.19		
M	Ships difference	(L-K)	756.19		
N	Ship line quantity				
O	Difference including Ship line	(M+N)	756.19		
Totals					
Difference Ship vs Shore		(O-G)	Δ Quantity	Δ %	
Observed Volume		Barrels	-29.49	-3.75	
Standard Volume		Barrels			

Signed by: Ship's representative — Shore representative — Saybolt representative
Name:
Rank: — *Loading Master* — *Saybolt Inspector*

Tel. FAX
Website: E-mail:

Date: 06 Nov 2020

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Job No 13052/00002217.0000/01/I/20
Report date 06 Nov 2020
Installation Houston, United States of America, ExxonMobil Baytown

Barge CBC 306
Product EHC 45

Bill of Lading date: 04-Nov-2020

Sample Report

Grade	Description	Sealed	Distribution	Amount	Volume
EHC 45	Shore tank 35:Running from each compartment before loading	Open	Retain	1	1 quarts
EHC 45	Tb CBC 306:Foot from barge tanks during loading	Open	Retain	1	1 quarts
EHC 45	Tb CBC 306:Running from barge tanks after loading	Open	Retain	6	1 quarts
		Total Samples		**8**	

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

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	Saybolt Inspector
received by	Vessel

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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Saybolt
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Job No 13052/00002217.0000/01/I/20
Report date 06 Nov 2020
Installation Houston, United States of America, ExxonMobil Baytown

Barge CBC 306
Product EHC 45

Bill of Lading date: 04-Nov-2020

API Checklist Loading

Before Loading	Standards Ref.	
Participated in the key meeting	API 17.1	Yes
Closed / restricted measurement and sampling equipment used onboard	API 17.2	No
Vessel capacity tables apply, without adjustments, to gauge point used	US Customs	Yes
Recorded vessel capacity table reference gauge heights before gauging	API 17.1	Yes
Discussed measurements with US Customs inspector before proceeding	US Customs	No
Used Saybolt calibrated gauging and temperature equipment	API 3.1a	Yes
Pre-loading tank inspection completed and tanks accepted	API 17.8	Yes
Recorded shore automatic gauges and temperatures	API 17.1	Yes
Manual gauging not permitted / possible; vessel's automatic gauges used	API 17.2	No
Personally measured shore product, free water & temperature	API 3.1a	Yes
Measured / recorded ambient air temperature for shell expansion calculation	API 12.1	Yes
Obtained shore samples using Manual sampling or Automatic sampling	API 8.1/8.2	Manual
Automatic sampling pot inspected for cleanliness	API 17.1	No
Shore line sample at dock taken before loading	API 17.1	No
Recorded vessel's draft readings before loading	API 17.1	Yes
Check sea valve security and recorded seal numbers before loading	API 17.1	No
Every cargo tank gauged or visually verifed for OBQ	API 17.4	Yes
Measured OBQ using Saybolt equipment at low end of tank	API 17.4	Yes
OBQ measured at points other than the reference gauge point	API 17.4	No
Calculations (or tables) for trim and wedge were used as applicable	API 17.4	No
OBQ was sampled	API 17.1	No
OBQ temperature was measured	API 17.1	No
First foot samples were taken before loading commenced	API 17.1	No
Bunker quantities were recorded	API 17.1	No
Verified shore line capacity and fill	API 17.6	Yes

After Loading	Standards Ref.	
Line sample taken during loading	API 17.1	No
Time Log Prepared	API 17.1	Yes
Recorded vessel's draft readings after loading	API 17.1	Yes
Check sea valve security and recorded seal numbers after loading	API 17.1	Not Applicable
Bunker quantities were recorded after loading	API 17.1	Not Applicable
Shore line fill verified after vessel loading	API 17.6	Yes
Personally measured shore product, free water & temperature	API 3.1a	Yes
Measured / recorded ambient air temperature for shell expansion calculation	API 12.1	Yes
Vessel deck lines drained into cargo tanks before gauging	API 17.1	Yes
Measured vessel's cargo, slops, free water, non-cargo areas & temperatures	API 17.2	Yes
Inspected ballast tanks for presence of cargo	API 17.1	Not Applicable
Automatic sampling inspected and appeared to be functioning properly	API 17.1	Not Applicable
Loadport samples placed on board; receipt signed by vessel's representative	API 17.1	Not Applicable
Vessel Experience Factor data obtained from vessel's records	API 17.1	Not Applicable
Appropriate Letters of Protest issued and signed before leaving job site	API 17.1	Not Applicable
Copies of meter tickets and meter proving records obtained	API 17.1	Not Applicable
Meters were proved before or after cargo transfer	API 17.1	Before