

EXXONMOBIL CHEMICAL CO
 22777 Springwoods Village Parkway
 77389 Spring
 United States
 MS. W.M. Lau Wong
 USEBARGARO-2102-035 / 5242968

Report no. 13055/00046900
 Report date 01/19/21
 Object Kirby 29035, 29044
 Product Aromatic Concentrate
 Location ExxonMobil Chemical
 B/L Date 01/18/21

Saybolt Port Neches, TX
 Office 409-727-3556
 Fax 409-299-3095

SUMMARY REPORT

Barges Loaded						
SHORE DELIVERED		:	TOTAL			
G.S.V.	Liters 15°C	:	8,295,201			
G.S.V.	Cu m 60°F	:	8,300.883			
G.S.V.	Barrels 60°F	:	52,210.98			
G.S.V.	Gallons 60°F	:	2,192,861.16			
Metric Tons Vac		:	6,122.731			
Metric Tons Air		:	6,113.699			
Long Tons		:	6,017.143			
Short Tons		:	6,739.201			
Pounds		:	13,478,401			
VESSEL QUANTITY RECEIVED						
			Kirby 29035	Kirby 29044	Total GSV	
BARGE(S) ARRIVAL GSV		:	0	0	0.00	
BARGE(S) DEPARTED GSV		:	26,187.45	26,023.53	52,210.98	
BARGE(S) RECEIVED GSV		:	26,187.45	26,023.53	52,210.98	
BARGE(S) FREE WATER		:	0.00	0.00	0.00	
Shore Delivered			52,210.98		VEF	1.00000
Barges Received			52,210.98		Vessel VEF Applied	52,210.98
Difference			0.00			
Percentage			0.00	%		
Date		Time	Event			
01/17/21	1110	Barge Arrived				
	1135	Barge Docked				
	1335	Cargo Hose Connected				
	1355	COMMENCE LOADING				
01/18/21	1655	COMPLETE LOADING				
	1735	Cargo Hose Disconnected				
	1830	Barge Released				
Inspector of Record						

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Report date 19 Jan 2021
Installation Beaumont, United States of America, Exxonmobil Chemical Beaumont

Barge collection Kirby 29035 29044
Product Aromatic Concentrate VL Bulk

Bill of Lading date: 18-Jan-2021

Time Log

17 Jan 2021 (Sunday)	
10:40	Notice of Readiness Tendered - Kirby 29035
11:10	Object arrived at Installation - Kirby 29035
11:35	Moored Alongside Berth (All Fast) - Kirby 29035
13:35	Hose / Arm Connected - Kirby 29035
13:55	COMMENCED LOADING - Kirby 29035
20:00	Inspector Notified - Kirby 29035
21:55	COMPLETED LOADING - Kirby 29035
22:00	Inspector Arrived - Kirby 29035
22:30	Hose / Arm Disconnected - Kirby 29035
22:35	Saybolt onboard after Operation - Kirby 29035
22:40	Commenced Final Inspection - Kirby 29035
18 Jan 2021 (Monday)	
00:00	Completed Final Inspection and Calculations, Tank(s) Measured and Sampled - Kirby 29035
00:30	Object Sailed / Departed - Kirby 29035
01:10	Delivered Samples to ExxonMobil Lab - Kirby 29035
01:20	Inspector Departed Terminal - Kirby 29035
03:05	Notice of Readiness Tendered - Kirby 29044
03:45	Barge Arrived - Kirby 29044
04:00	Barge Docked at Dock #1 - Kirby 29044
07:20	Cargo Arm Connected - Kirby 29044
07:45	Vapor Arm Connected - Kirby 29044
08:15	Commenced Loading - Kirby 29044
14:23	Inspector Notified - Kirby 29044
16:40	Inspector Arrived - Kirby 29044
16:55	Completed Loading - Kirby 29044
17:25	Inspector Onboard - Kirby 29044
17:25	Cargo Arm Disconnected - Kirby 29044
17:30	Commenced Final Inspection - Kirby 29044
17:35	Vapor Arm Disconnected - Kirby 29044
18:10	Completed Final Inspection - Kirby 29044
18:20	Calculations Completed - Kirby 29044
18:30	Barge Released to Terminal - Kirby 29044
19:15	Samples Delivered to ExxonMobil Lab
19:20	Inspector Departed Terminal - Kirby 29044
20:20	Samples Delivered to Saybolt Lab

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Interim Ullage Report

Kirby 29035

API 60°F 60.0

Calibration Table Nr	Gauging Equipment Type	Saybolt equipment
Calibration Table valid	Gauging Equipment Used	UTI
Inspector equipment used for verification? Yes	Gauging Equipment Nr	G20224
Water Measurement Method	Temp. Equipment Type	Saybolt equipment
Connector type	Temp. Equipment Used	UTI
Weather Condition	Temp. Equipment Nr	G20224
Sea Condition	Smooth (wavelets) - 0.1 to 0.5 m (3.9 in to 1 ft 7.7 in)	

Tank	Ullage FT/IN	Ullage corr. FT/IN	TOV. Barrels	Free Water Barrels	GOV. Barrels	Temp °F	VCF table 6B	GSV barrels 60°F
1P	4-1-0/0		4,017.68		4,017.68	75.8	0.98916	3,974.13
1S	3-11-1/4		4,056.27		4,056.27	75.6	0.98930	4,012.87
2P	3-11-1/2		4,892.65		4,892.65	76.1	0.98896	4,838.64
2S	3-10-1/2		4,916.25		4,916.25	76.0	0.98903	4,862.32
3P	4-1-1/2		4,282.64		4,282.64	75.9	0.98910	4,235.96
3S	3-11-1/2		4,310.51		4,310.51	75.9	0.98910	4,263.53
Totals			26,476.00		26,476.00			26,187.45

Summary Totals

On-board figures		Draft		Correction	
GSV	26,187.45	Fore	FT/IN	Trim	FT/IN
TCV	26,187.45	Aft	FT/IN	List	°

On-board figures

GSV Liters 15°C	4,160,643	Average Temp °F	75.9
GSV Barrels 60°F	26,187.45		
GSV US Gallons 60°F	1,099,872.90	Ambient Temp °F	37
Metric Tons Vac	3,073.373		
Metric Tons Air	3,068.843	Tables used	Table used: 6B, and MPMS 11.5.1.4.4
Long Tons	3,020.376		
Short Tons	3,382.821		
Pounds	6,765,642		

Signed by: Ship's representative

Name:

Rank:

Saybolt representative

Luke Robinson

Saybolt Inspector

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Interim Ullage Report

KIRBY 29044

API 60°F	60.3	Survey Date and Time	18 Jan 2021 18:10	Gauging Equipment Type	Saybolt equipment
		Calibration Table Nr		Gauging Equipment Used	UT1
		Calibration Table valid		Gauging Equipment Nr	G16532
		Inspector equipment used for verification?		Temp. Equipment Type	Saybolt equipment
		Water Measurement Method	Paste KK/McC	Temp. Equipment Used	UT1
		Connector type	Hermetic	Temp. Equipment Nr	G16532
		Weather Condition	Windy		
		Sea Condition	Smooth (wavelets) - 0.1 to 0.5 m (3.9 in to 1 ft 7.7 in)		

Tank	Ullage FT/IN	Ullage corr. FT/IN	TOV. Barrels	Free Water Barrels	GOV. Barrels	Temp °F	VCF table 6B	GSV barrels 60°F
1P	4-1 1/2		4,581.08		4,581.08	76.2	0.98886	4,530.05
1S	4-3 1/4		4,551.09		4,551.09	75.5	0.98935	4,502.62
2P	4-2 3/4		4,335.75		4,335.75	76.7	0.98852	4,285.98
2S	4-2 1/2		4,347.46		4,347.46	75.6	0.98928	4,300.86
3P	4-4 1/4		4,248.64		4,248.64	76.1	0.98893	4,201.61
3S	4-6 1/4		4,245.29		4,245.29	74.7	0.98990	4,202.41
Totals			26,309.31		26,309.31			26,023.53

Summary Totals

On-board figures	Draft	Correction
GSV	Fore FT/IN	9-6 Trim FT/IN 0 0
TCV	Aft FT/IN	9-0 List °

On-board figures

GSV Liters 15°C	4,134,558	Average Temp °F	75.8
GSV Barrels 60°F	26,023.53		
GSV US Gallons 60°F	1,092,988.26	Sea Water Temp °F	57.0
Metric Tons Vac	3,049.358	Ambient Temp °F	57.0
Metric Tons Air	3,044.856		
Long Tons	2,996.767	Tables used	Table used: 6B, and MPMS 11.5.1.4.4
Short Tons	3,356.380		
Pounds	6,712,759		

Remarks

Signed by: Ship's representative

Name:

Rank:

Saybolt representative

Kyle Townley

Saybolt Inspector

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Reference Height Report (additional)

Tank	Manual Tank Heights in FT/IN			Gauging Location	Auto Gauge Heights in FT/IN			
	Calibrated Ref.Height	Found Before	Reference After		Stowed Height Calibrated	Observed	Manual Gauge	Auto Gauge
1P	16-9 1/2		16-9 3/8					
1S	16-10 1/4		16-10 1/4					
2P	16-10 1/4		16-10 1/8					
2S	16-10-0		16-10 1/16					
3P	16-9 1/4		16-9 5/16					
3S	16-10-0		16-10 1/16					

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

Informational:

Draft	Before	After
Forward	m	m
Aft	m	m
Trim	m	m

Remarks

KIRBY 29044

Signed by: Ship's representative
Name:
Rank:

Saybolt representative
Kyle Townley
Saybolt Inspector

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Reference Height Report (additional)

Tank	Manual Tank Heights in FT/IN			Gauging Location	Auto Gauge Heights in FT/IN			
	Calibrated Ref. Height	Before	Found Reference After		Stowed Height Calibrated	Observed	Manual Gauge	Auto Gauge
1P	16-09-1/2		16-09-3/8					
1S	16-10-1/4		16-10-1/4					
2P	16-10-1/4		16-10-1/8					
2S	16-10-0/0		16-10-1/16					
3P	16-09-1/4		16-09-5/16					
3S	16-10-0/0		16-10-1/16					

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

Informational:

Draft	Before	After
Forward	m	m
Aft	m	m
Trim	m	m

Remarks

Kirby 29044

Signed by: Ship's representative

Name:

Rank:

Saybolt representative

Saybolt Inspector

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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:

No Line Displacement Performed Due To Active Shore Conditions During Loading Operations

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:
Rank:

Shore representative

Loading Master

Saybolt representative
Kyle Townley
Saybolt Inspector

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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:

Active Shore tank, in transit difference.

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:
Rank:

Shore representative

Loading Master

Saybolt representative
Luke Robinson
Saybolt Inspector

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Void Space/Ballast Reports

Compartment/ Tank	Product	Before	Quantity	Product	After	Quantity
			Barrels			Barrels
Voids / Rakes						0.00

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

Additional information

Quantity of Oil received from ballast pumped ashore Barrels

Tanks used by ship for previous ballast voyage?

Signed by: Ship's representative

Name:

Rank:

Saybolt representative

Kyle Townley

Saybolt Inspector

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Void Space/Ballast Reports

Compartment/ Tank	Product	Before	Quantity Liters	Product	After	Quantity Liters
Ballast			VOID			

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

Additional information

Quantity of Oil received from ballast pumped ashore Liters
Tanks used by ship for previous ballast voyage?

Signed by: Ship's representative
Name:
Rank:

Saybolt representative
Luke Robinson
Saybolt Inspector

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Sample Report

Grade	Description	Sealed	Distribution	Amount	Volume
Aromatic Concentrate VL Bulk	Tb Kirby 29035 29044:Running from barge tanks after loading	Open	Saybolt	7	1 quarts
Aromatic Concentrate VL Bulk	Tb Kirby 29035 29044:Deck-composite from barge tanks after loading	Open	ExxonMobil Lab	6	1 quarts
Aromatic Concentrate VL Bulk	Tb Kirby 29044:Running from barge tanks after loading	Open	Retain	6	1 quarts
Aromatic Concentrate VL Bulk	Tb Kirby 29044:Multiple tank composite from barge tanks after loading	Open	ExxonMobil Chemical	6	1 quarts
Total Samples				25	

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 120 days (unless otherwise specified) at the end of which they shall be disposed of.

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API Checklist Loading

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

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API Checklist Loading

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