



ExxonMobil Oil Corporation

22777 Springwoods Village Parkway
Spring, TX 77389

Attention : Alex Wood

MOVEMENT : Discharge
VESSEL : **EMS - 332 & 510**
LOCATION : ExxonMobil Chemical - Beaumont, TX
File N° : PAR-76187
DATE : 09/03/2020 - 09/11/2020
REFERENCE N° : 4996603 / 5000468

Contents

Certificate of Quantity
Voyage Analysis Report
Shore Tank Quantity
Vessel Quantity Report
Timelog
LOP/NAD

Dear Client,

Please find attached our Inspection Report No. PAR-76187 corresponding to the Discharge operation of the captioned vessel, at place and date(s) shown above. The complete report is composed of individual field reports, which we believe are self-explanatory.

We trust that this report supplies the proper input needed so that we comply with your requirements. Should there be any points that need further clarification, please do not hesitate to contact us.

All Camin Cargo Control measurement devices and methods used for quantity and quality determination meet the pertinent requirements of 40 CFR 98.3 et. seq. (Greenhouse Gas Mandatory Reporting Rule)

Yours Sincerely,

Camin Cargo Control

1550 Industrial Drive Nederland, TX 77627
Phone: 409-729-3399
Opsparthur@camincargo.com

www.camincargo.com

EXXM01-20 / 539323



CERTIFICATE OF QUANTITY N° PAR-76187

VESSEL : EMS - 332 & 510
LOCATION : ExxonMobil Chemical - Beaumont, TX
PRODUCT : RAFFINATE

MOVEMENT : Discharge
JOB COMPLETED : 07-SEP-2020
REFERENCE N° : 4996603 / 5000468

OUTTURN

	GSV	NSV
Barrels @ 60 °F	54,436.65	54,436.65
Gallons @ 60 °F	2,286,339.19	2,286,339.19
Cubic Meters @ 60 °F	8,654.734	8,654.734
Liters @ 60 °F	8,654,734.0	8,654,734.0
Imperial Gallons @ 60 °F	1,903,775.82	1,903,775.82
Barrels @ 15 °C	54,395.32	54,395.32
Gallons @ 15 °C	2,284,603.44	2,284,603.44
Cubic Meters @ 15 °C	8,648.163	8,648.163
Liters @ 15 °C	8,648,163.0	8,648,163.0
Barrels @ 20 °C	54,770.50	54,770.50
Gallons @ 20 °C	2,300,361.00	2,300,361.00
Cubic Meters @ 20 °C	8,707.812	8,707.812
Liters @ 20 °C	8,707,812.0	8,707,812.0
	GSW	NSW
Long Tons - Air	5,855.824	5,855.824
Metric Tons - Air	5,949.799	5,949.799
Short Tons - Air	6,558.523	6,558.523
Kilograms - Air	5,949,799.1	5,949,799.1
Pounds - Air	13,117,046.0	13,117,046.0
	GSM	NSM
Long Tons - Vac	5,865.162	5,865.162
Metric Tons - Vac	5,959.279	5,959.279
Kilograms - Vac	5,959,279.0	5,959,279.0
API Gravity @ 60 °F	73.8	
Density @ 15 °C - Vac	689.1	
Density @ 15 °C - Air	688.0	
Density @ 20 °C - Air	683.3	
Density @ 20 °C - Vac	684.4	
Free Water Barrels	Nil	
S&W %	0.000	
S&W Barrels	Nil	
Figures Based on :	Meter Readings	
Quality Based on :	Vessel composite after Loading	
Operation Completed :	09/04/2020 18:30	
Cargo Hoses Disconnected :	09/07/2020 09:00	

All gauges, temperatures and volumes were obtained in accordance to the latest API and ASTM procedures.



VOYAGE ANALYSIS REPORT N° PAR-76187

VESSEL	: EMS - 332 & 510	MOVEMENT	: Discharge
LOCATION	: ExxonMobil Chemical - Beaumont, TX	JOB COMPLETED	: 07-SEP-2020
PRODUCT	: RAFFINATE	REFERENCE N°	: 4996603 / 5000468

LOAD		Port	VCF	Voyage#	Gauge Date		
DISCHARGE		: ExxonMobil Chemical - Beaumont, TX	6B		06-SEP-2020		
Barrels @ 60 °F	API @ 60 °F	TCV	FW	GSV	S&W	NSV	Reference
I. SHORE/SHORE COMPARISON-NOT AVAILABLE							
1. Loading Quantity							
2. Outturn	73.8	54,436.65	0.00	54,436.65	0.00	54,436.65	
3. Difference							(2-1)
4. Difference %							(3/1*100)
Adjusted TCV Difference							(3-b+l)
II. VESSEL/SHORE COMPARISON AT LOADPORT-NOT AVAILABLE							
a. After Loading					Liquid	Non-Liquid	
b. OBQ							
c. Vessel Received							(a-b)
d. Difference							(c-1)
e. Difference %							(d/1*100)
f. Load Ratio							(c/1)
g. VEF							
h. Theoretical Shore							(c/g)
i. Theoretical Shore Diff.							(h-1)
j. Theoretical Shore Diff. %							(i/1*100)
III. VESSEL/SHORE COMPARISON AT DISPORT							
k. Before Discharge		54,188.48	0.00	54,188.48	Liquid	Non-Liquid	
l. ROB		0.00	0.00	0.00			
m. Vessel Delivered		54,188.48	0.00	54,188.48			(k-l)
n. Difference		248.17	0.00	248.17			(2-m)
o. Difference %		0.46		0.46			(n/2*100)
p. Discharge Ratio		0.99544					(m/2)
q. VEF							
r. Theoretical Shore							(m/q)
s. Theoretical Shore Diff.							(2-r)
t. Theoretical Shore Diff. %							(s/2*100)
IV. VESSEL IN TRANSIT COMPARISON-NOT AVAILABLE							
u. In-Transit Diff.							(k-a)
v. In-Transit Diff. %					Liquid	Non-Liquid	(u/a*100)
w. OBQ/ROB Difference							(b-l)
Adjusted TCV Difference		S&W at Loadport		---	S&W at Disport		0.000 %

There are an insufficient number of voyages to compute a Discharge VEF.



VOYAGE ANALYSIS REPORT N° PAR-76187

VESSEL	: EMS - 332 & 510	MOVEMENT	: Discharge
LOCATION	: ExxonMobil Chemical - Beaumont, TX	JOB COMPLETED	: 07-SEP-2020
PRODUCT	: RAFFINATE	REFERENCE N°	: 4996603 / 5000468

LOAD	Port	VCF	Voyage#	Gauge Date			
DISCHARGE	: ExxonMobil Chemical - Beaumont, TX	6B		06-SEP-2020			
Barrels @ 60 °F	API @ 60 °F	TCV	FW	GSV	S&W	NSV	Reference
I. SHORE/SHORE COMPARISON-NOT AVAILABLE							
1. Loading Quantity							
2. Outturn	73.8	54,436.65	0.00	54,436.65	0.00	54,436.65	
3. Difference							(2-1)
4. Difference %							(3/1*100)
Adjusted TCV Difference							(3-b+l)

II. VESSEL/SHORE COMPARISON AT LOADPORT-NOT AVAILABLE							
a. After Loading					Liquid	Non-Liquid	
b. OBQ							
c. Vessel Received							(a-b)
d. Difference							(c-1)
e. Difference %							(d/1*100)
f. Load Ratio							(c/1)
g. VEF							
h. Theoretical Shore							(c/g)
i. Theoretical Shore Diff.							(h-1)
j. Theoretical Shore Diff. %							(i/1*100)

III. VESSEL/SHORE COMPARISON AT DISPORT							
k. Before Discharge	54,188.48	0.00	54,188.48		Liquid	Non-Liquid	
l. ROB	0.00	0.00	0.00				
m. Vessel Delivered	54,188.48	0.00	54,188.48				(k-l)
n. Difference	248.17	0.00	248.17				(2-m)
o. Difference %	0.46		0.46				(n/2*100)
p. Discharge Ratio	0.99544						(m/2)
q. VEF							
r. Theoretical Shore							(m/q)
s. Theoretical Shore Diff.							(2-r)
t. Theoretical Shore Diff. %							(s/2*100)

IV. VESSEL IN TRANSIT COMPARISON-NOT AVAILABLE							
u. In-Transit Diff.							(k-a)
v. In-Transit Diff. %					Liquid	Non-Liquid	(u/a*100)
w. OBQ/ROB Difference							(b-l)

Adjusted TCV Difference	S&W at Loadport	---	S&W at Disport	0.000 %
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There are an insufficient number of voyages to compute a Discharge VEF.

Calculated as per Chapter 17.5

All gauges, temperatures and volumes were obtained in accordance to the latest API and ASTM procedures.

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EXXM01-20 / 539323 / September 11, 2020

**QUANTITY CERTIFICATE N° PAR- 76187**

Based on Shore Measurements

VESSEL : EMS - 332 & 510**LOCATION** : ExxonMobil Chemical - Beaumont, TX**PRODUCT** : RAFFINATE**MOVEMENT** : Discharge**JOB COMPLETED** : 07-SEP-2020**REFERENCE N°** : 4996603 / 5000468

	Reading	TOV	Meter	Temp.	API	VCF	Pressure	Pressure Corr.	Comp. Corr.	GSV	S&W	S&W Vol.	NSV
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Meter: DFT9810

Gauge Date Open: 08-Sep 00:00

Gauge Date Close: 08-Sep 00:00

	M (Inn.)	Bbls	Factor	°F	@ 60°F	6B		Factor	Factor	Bbls @ 60°F	%	@ 60°F	Bbls @ 60°F
O	0	54,436.65	1.0000	60.0	73.8 (S)	1.00000	1.00	1.000000	1.0000	54,436.65	---	---	54,436.65
C	54436.65												

Line: ---

Adjustment: ---

S=Submitted / C=Calculated / T=Tested by CCC / W=Tested by Terminal/Refinery & Witnessed by CCC

Totals computed using appropriate tables corresponding to Received API.

RAFFINATE - TOTAL QUANTITIES - RECEIVED

TCV, Barrels @ 60 °F	54,436.65	S&W	---		
Free Water Barrels	0.00		---		
	GSV	NSV		GSW	NSW
Barrels @ 60 °F	54,436.65	54,436.65	Long Tons - Air	5,855.824	5,855.824
Gallons @ 60 °F	2,286,339.19	2,286,339.19	Metric Tons - Air	5,949.799	5,949.799
API Gravity @ 60 °F (S)	73.8		Short Tons - Air	6,558.523	6,558.523
Lb/Gal @ 60 °F	5.737139114		Kilograms - Air	5,949,799.1	5,949,799.1
			Pounds - Air	13,117,046.0	13,117,046.0

All gauges, temperatures and volumes were obtained in accordance to the latest API and ASTM procedures.



VESSEL QUANTITY REPORT N° PAR-76187

VESSEL : EMS - 332

LOCATION : ExxonMobil Chemical - Beaumont, TX

PRODUCT : RAFFINATE

MOVEMENT : Discharge

JOB COMPLETED : 07-SEP-2020

REFERENCE N° : 4996603 / 5000468

Comp. No	Chart RH Ft-In	Phy GH Ft-In	Gauge Ft-In	TOV Bbls	Water Gauge	Water Bbls	Temp. °F	VCF 6B	GSV @ 60 °F Bbls
01P	15-00 01/02	16-07 00/00	02-06 01/04	4,617.83	----	Nil	89.3	0.97758	4,514.30
01S	15-00 01/02	16-07 00/00	02-07 03/04	4,571.69	----	Nil	89.4	0.97751	4,468.87
02P	15-00 01/04	16-06 03/04	02-01 03/04	4,765.23	----	Nil	89.2	0.97766	4,658.77
02S	15-00 01/02	16-07 00/00	02-00 01/02	4,811.53	----	Nil	89.4	0.97751	4,703.32
03P	15-00 01/02	16-07 00/00	02-03 01/02	4,257.02	----	Nil	89.6	0.97735	4,160.60
03S	15-00 01/02	16-07 00/00	02-02 03/04	4,271.33	----	Nil	89.5	0.97743	4,174.93
				27,294.63		Nil	89.4		26,680.79

Draft (Ft-in)	Fwd (P)	Fwd (S)	Aft (P)	Aft (S)	Trim	List
Before	09-06	09-06	09-06	09-06	00-00 00/00	0.00

Note:

No Trim Correction was applied.

Vessel was gauged/sampled using a Closed/Restricted System

VESSEL QUANTITIES

ARRIVAL

TCV, Barrels @ 60 °F	26,680.79
Free Water Barrels	0.00
GSV	
Barrels @ 60 °F	26,680.79
Gallons @ 60 °F	1,120,593.18
API Gravity @ 60 °F	73.8 (S)
Lb/Gal @ 60 °F	5.737139114



VESSEL QUANTITY REPORT N° PAR-76187

VESSEL : EMS - 332

LOCATION : ExxonMobil Chemical - Beaumont, TX

PRODUCT : RAFFINATE

MOVEMENT : Discharge

JOB COMPLETED : 07-SEP-2020

REFERENCE N° : 4996603 / 5000468

Comp. No	Chart RH Ft-In	Phy GH Ft-In	Gauge Ft-In	TOV Bbls	Water Gauge	Water Bbls	Temp. °F	VCF 6B	GSV @ 60 °F Bbls
01P	15-00 01/02	15-00 01/02	00-00 00/00	Nil	----	Nil			
01S	15-00 01/02	15-00 01/02	00-00 00/00	Nil	----	Nil			
02P	15-00 01/04	15-00 01/04	00-00 00/00	Nil	----	Nil			
02S	15-00 01/02	15-00 01/02	00-00 00/00	Nil	----	Nil			
03P	15-00 01/02	15-00 01/02	00-00 00/00	Nil	----	Nil			
03S	15-00 01/02	15-00 01/02	00-00 00/00	Nil	----	Nil			
				Nil		Nil			

Draft (Ft-in)	Fwd (P)	Fwd (S)	Aft (P)	Aft (S)	Trim	List
Before	09-06	09-06	09-06	09-06	00-00 00/00	0.00
After	02-00	02-00	02-00	02-00	00-00 00/00	0.00

Note:

No Trim Correction was applied.

Vessel was gauged/sampled using a Closed/Restricted System

VESSEL QUANTITIES	DEPARTURE	DELIVERED				
TCV, Barrels @ 60 °F	0.00	26,680.79	S&W	---		
Free Water Barrels	0.00	0.00		---		
	GSV	GSV	NSV	GSW	NSW	
Barrels @ 60 °F	0.00	26,680.79	26,680.79	Long Tons - Air	2,870.089	2,870.089
Gallons @ 60 °F	0.00	1,120,593.18	1,120,593.18	Metric Tons - Air	2,916.148	2,916.148
API Gravity @ 60 °F		73.8 (S)		Short Tons - Air	3,214.499	3,214.499
Lb/Gal @ 60 °F		5.737139114		Kilograms - Air	2,916,148.3	2,916,148.3
				Pounds - Air	6,428,999.0	6,428,999.0

All gauges, temperatures and volumes were obtained in accordance to the latest API and ASTM procedures.

1550 Industrial Drive
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Office Phone: 409-729-3399
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EXXM01-20 / 539323 / September 11, 2020



VESSEL QUANTITY REPORT N° PAR-76187

VESSEL : EMS - 510

LOCATION : ExxonMobil Chemical - Beaumont, TX

PRODUCT : RAFFINATE

MOVEMENT : Discharge

JOB COMPLETED : 07-SEP-2020

REFERENCE N° : 4996603 / 5000468

Comp. No	Chart RH Ft-In	Phy GH Ft-In	Gauge Ft-In	TOV Bbls	Water Gauge	Water Bbls	Temp. °F	VCF 6B	GSV @ 60 °F Bbls
01P	15-08 03/04	17-03 00/00	13-09 01/02	4,957.85	----	Nil	90.1	0.97697	4,843.67
01S	15-08 03/04	17-03 00/00	13-08 03/04	4,941.63	----	Nil	90.1	0.97697	4,827.82
02P	15-08 01/02	17-02 03/04	13-09 01/04	4,930.89	----	Nil	89.9	0.97712	4,818.07
02S	15-08 01/02	17-02 03/04	13-08 01/04	4,891.86	----	Nil	89.8	0.97720	4,780.33
03P	15-08 03/04	17-03 00/00	13-07 01/02	4,226.01	----	Nil	88.6	0.97812	4,133.54
03S	15-08 03/04	17-02 30/04	13-07 01/02	4,198.04	----	Nil	89.2	0.97766	4,104.26
				28,146.28		Nil	89.7		27,507.69

Draft (Ft-in)	Fwd (P)	Fwd (S)	Aft (P)	Aft (S)	Trim	List
Before	08-03	08-03	08-03	08-03	00-00 00/00	0.00

Note:

No Trim Correction was applied.

Vessel was gauged/sampled using a Closed/Restricted System

VESSEL QUANTITIES

ARRIVAL

TCV, Barrels @ 60 °F	27,507.69
Free Water Barrels	0.00
GSV	
Barrels @ 60 °F	27,507.69
Gallons @ 60 °F	1,155,322.98
API Gravity @ 60 °F	73.8 (S)
Lb/Gal @ 60 °F	5.737139114



VESSEL QUANTITY REPORT N° PAR-76187

VESSEL : EMS - 510

LOCATION : ExxonMobil Chemical - Beaumont, TX

PRODUCT : RAFFINATE

MOVEMENT : Discharge

JOB COMPLETED : 07-SEP-2020

REFERENCE N° : 4996603 / 5000468

Comp. No	Chart RH Ft-In	Phy GH Ft-In	Gauge Ft-In	TOV Bbls	Water Gauge	Water Bbls	Temp. °F	VCF 6B	GSV @ 60 °F Bbls
01P	15-08 03/04	15-08 03/04	00-00 00/00	Nil	----	Nil			
01S	15-08 03/04	15-08 03/04	00-00 00/00	Nil	----	Nil			
02P	15-08 01/02	15-08 01/02	00-00 00/00	Nil	----	Nil			
02S	15-08 01/02	15-08 01/02	00-00 00/00	Nil	----	Nil			
03P	15-08 03/04	15-08 03/04	00-00 00/00	Nil	----	Nil			
03S	15-08 03/04	15-08 03/04	00-00 00/00	Nil	----	Nil			
				Nil		Nil			

Draft (Ft-in)	Fwd (P)	Fwd (S)	Aft (P)	Aft (S)	Trim	List
Before	08-03	08-03	08-03	08-03	00-00 00/00	0.00
After	02-00	02-00	02-00	02-00	00-00 00/00	0.00

Note:

No Trim Correction was applied.

Vessel was gauged/sampled using a Closed/Restricted System

VESSEL QUANTITIES	DEPARTURE	DELIVERED					
TCV, Barrels @ 60 °F	0.00	27,507.69	S&W	---			
Free Water Barrels	0.00	0.00		---			
	GSV	GSV	NSV		GSW	NSW	
Barrels @ 60 °F	0.00	27,507.69	27,507.69	Long Tons - Air	2,959.040	2,959.040	
Gallons @ 60 °F	0.00	1,155,322.98	1,155,322.98	Metric Tons - Air	3,006.527	3,006.527	
API Gravity @ 60 °F		73.8 (S)		Short Tons - Air	3,314.124	3,314.124	
Lb/Gal @ 60 °F		5.737139114		Kilograms - Air	3,006,526.6	3,006,526.6	
				Pounds - Air	6,628,248.7	6,628,248.7	

All gauges, temperatures and volumes were obtained in accordance to the latest API and ASTM procedures.

**TIME LOG REPORT N° PAR-76187****VESSEL** : EMS - 332 & 510**LOCATION** : ExxonMobil Chemical - Beaumont, TX**PRODUCT** : RAFFINATE**MOVEMENT** : Discharge**JOB COMPLETED** : 07-SEP-2020**REFERENCE N°** : 4996603 / 5000468

Date	Time	Description
03-SEP-2020	23:20	Notice of Readiness Tendered (EMS-510)
04-SEP-2020	01:00	Inspector Notified (EMS-510)
	01:30	Barge(s) Arrived (EMS-510)
	02:00	Barge(s) Docked (EMS-510)
	02:30	Inspector Arrived (EMS-510)
	03:00	Inspector on Board (EMS-510)
	03:10	Preliminary Inspection Commenced (EMS-510)
	04:10	Preliminary Inspection Completed (EMS-510)
	04:20	Preliminary Calculations Commenced (EMS-510)
	05:00	Preliminary Calculations Completed (EMS-510)
	06:45	Samples Delivered to XOM Lab (EMS-510)
	08:40	Cargo Hose(s) Connected (EMS-510)
	09:15	Discharge Commenced (EMS-510)
	16:15	Inspector Notified
	17:45	Inspector Arrived
	18:30	Discharge Completed (EMS-510)
	18:35	Final Inspection Commenced (EMS-510)
	18:40	Final Inspection Completed (EMS-510)
	19:20	Cargo Hose(s) Disconnected (EMS-510)
	19:25	Released (EMS-510)
06-SEP-2020	16:00	Notice of Readiness Tendered (EMS 332)
	16:00	Inspector Notified (EMS 332)
	17:30	Inspector Arrived (EMS 332)
	17:45	Barge(s) Arrived (EMS 332)
	18:15	Barge(s) Docked (EMS 332)
	18:40	Preliminary Inspection Commenced (EMS 332)
	19:40	Preliminary Inspection Completed (EMS 332)
	20:00	Preliminary Calculations Completed (EMS 332)
	20:10	Cargo Hose(s) Connected (EMS 332)
	22:00	Discharge Commenced (EMS 332)
07-SEP-2020	05:35	Inspector Notified (EMS 332)
	07:00	Inspector Arrived (EMS 332)
	07:55	Discharge Completed (EMS 332)
	08:00	Final Inspection Commenced (EMS 332)
	08:10	Final Inspection Completed (EMS 332)
	09:00	Cargo Hose(s) Disconnected (EMS 332)
	09:05	Released (EMS 332)
08-SEP-2020	08:51	Sent for/Awaiting Confirmation
11-SEP-2020	09:11	Received confirmation from the terminal

All gauges, temperatures and volumes were obtained in accordance to the latest API and ASTM procedures.



LETTER OF PROTEST ° PAR-76187

VESSEL : EMS - 332 & 510
LOCATION : ExxonMobil Chemical - Beaumont, TX
PRODUCT : RAFFINATE

MOVEMENT : Discharge
JOB COMPLETED : 07-SEP-2020

TO : Vessel

REFERENCE : Vessel Intransit Difference

On Behalf of our Principals, we do hereby note the following Protest:
Vessel Intransit Difference.

We hereby reserve the right of our Principals to refer to this matter at a later date and to take such action as may be deemed necessary.

The signature below is for receipt only.

Respectfully,

Signature:
Print Name:
Position:
Date/Time:

Camin Cargo Control



LETTER OF PROTEST ° PAR-76187

VESSEL : EMS - 332 & 510
LOCATION : ExxonMobil Chemical - Beaumont, TX
PRODUCT : RAFFINATE

MOVEMENT : Discharge
JOB COMPLETED : 07-SEP-2020

TO : Terminal

REFERENCE : Active Shore Tanks

On Behalf of our Principals, we do hereby note the following Protest:
Active Shore Tank During Discharge.

We hereby reserve the right of our Principals to refer to this matter at a later date and to take such action as may be deemed necessary.

The signature below is for receipt only.

Respectfully,

Signature:
Print Name:
Position:
Date/Time:

Camin Cargo Control