



ExxonMobil Oil Corporation

22777 Springwoods Village Parkway
Spring, TX 77389

Attention : **Martin Schnell**

MOVEMENT : Load
VESSEL : **EMS - 3007 & 3008**
LOCATION : PBF - Chalmette, LA
File N° : NOR-12419
DATE : 02/16/2021 - 02/17/2021
REFERENCE N° : USEBARGINT-2102-028

Contents

Certificate of Quantity
Voyage Analysis Report
Vessel Quantity Report
Timelog
LOP/NAD
Analytical Report

Dear Client,

Please find attached our Inspection Report No. NOR-12419 corresponding to the Load 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

2844 Sharon Street Suite B Kenner, LA 70062
Phone: 504-469-7378
OpsNewOrleans@camincargo.com

www.camincargo.com

EXXM00-05 / 562445

**CERTIFICATE OF QUANTITY N° NOR-12419**

VESSEL : EMS - 3007 & 3008
LOCATION : PBF - Chalmette, LA
PRODUCT : LIGHT CYCLE OIL

MOVEMENT : Load
JOB COMPLETED : 17-FEB-2021
REFERENCE N° : USEBARGINT-2102-028

BILL OF LADING

	GSV	NSV
Barrels @ 60 °F	48,723.65	48,723.65
Gallons @ 60 °F	2,046,393.30	2,046,393.30
Cubic Meters @ 60 °F	7,746.439	7,746.439
Liters @ 60 °F	7,746,439.0	7,746,439.0
Imperial Gallons @ 60 °F	1,703,979.00	1,703,979.00
Barrels @ 15 °C	48,705.15	48,705.15
Gallons @ 15 °C	2,045,616.30	2,045,616.30
Cubic Meters @ 15 °C	7,743.498	7,743.498
Liters @ 15 °C	7,743,498.0	7,743,498.0
Barrels @ 20 °C	48,874.25	48,874.25
Gallons @ 20 °C	2,052,718.50	2,052,718.50
Cubic Meters @ 20 °C	7,770.384	7,770.384
Liters @ 20 °C	7,770,384.0	7,770,384.0
	GSW	NSW
Long Tons - Air	7,460.779	7,460.779
Metric Tons - Air	7,580.501	7,580.501
Short Tons - Air	8,356.072	8,356.072
Kilograms - Air	7,580,501.0	7,580,501.0
Pounds - Air	16,712,145.0	16,712,145.0
	GSM	NSM
Long Tons - Vac	7,468.803	7,468.803
Metric Tons - Vac	7,588.654	7,588.654
Kilograms - Vac	7,588,654.0	7,588,654.0
API Gravity @ 60 °F	12.8	
Density @ 15 °C - Vac	980.0	
Density @ 15 °C - Air	978.9	
Density @ 20 °C - Air	975.6	
Density @ 20 °C - Vac	976.6	
Free Water Barrels	Nil	
S&W %	0.000	
S&W Barrels	Nil	
Bill of Lading Figures Based on :	Vessel With VEF	
Quality Based on :	Vessel composite after Loading	
Operation Completed :	02/17/2021 05:50	
Cargo Hoses Disconnected :	02/17/2021 06:30	

Note: THE LOADPORT SHORE VOLUME IS BASED ON THE BARGE RECEIPT WITH LOAD VEF APPLIED

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

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VOYAGE ANALYSIS REPORT N° NOR-12419

VESSEL : EMS - 3007 & 3008
LOCATION : PBF - Chalmette, LA
PRODUCT : LIGHT CYCLE OIL

MOVEMENT : Load
JOB COMPLETED : 17-FEB-2021
REFERENCE N° : USEBARGINT-2102-028

LOAD		Port	VCF	Voyage#	Gauge Date		
		: PBF - Chalmette, LA	6B		16-FEB-2021		
DISCHARGE							
Barrels @ 60 °F	API @ 60 °F	TCV	FW	GSV	S&W	NSV	Reference
I. SHORE/SHORE COMPARISON-NOT AVAILABLE							
1. Loading Quantity*	12.8	48,723.65	0.00	48,723.65	0.00	48,723.65	
2. Outturn							
3. Difference							(2-1)
4. Difference %							(3/1*100)
Adjusted TCV Difference							(3-b+l)
* Loading Quantity is based on Vessel Figures. VEF of 1.0061 was applied.							
II. VESSEL/SHORE COMPARISON AT LOADPORT							
a. After Loading		49,020.86	0.00	49,020.86	Liquid	Non-Liquid	
b. OBQ		0.00	0.00	0.00			
c. Vessel Received		49,020.86	0.00	49,020.86			(a-b)
d. Difference		297.21	0.00	297.21			(c-1)
e. Difference %		0.61		0.61			(d/1*100)
f. Load Ratio		1.00610					(c/1)
g. VEF		1.0061					
h. Theoretical Shore		48,723.65					(c/g)
i. Theoretical Shore Diff.		0.00					(h-1)
j. Theoretical Shore Diff. %		0.00					(i/1*100)
III. VESSEL/SHORE COMPARISON AT DISPORT-NOT AVAILABLE							
k. Before Discharge					Liquid	Non-Liquid	
l. ROB							
m. Vessel Delivered							(k-l)
n. Difference							(2-m)
o. Difference %							(n/2*100)
p. Discharge Ratio							(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		0.000 %	S&W at Disport ---		

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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**QUANTITY CERTIFICATE N° NOR-12419**

Based On Vessel Measurements

VESSEL : EMS - 3007
LOCATION : PBF - Chalmette, LA
PRODUCT : LIGHT CYCLE OIL

MOVEMENT : Load
JOB COMPLETED : 17-FEB-2021
REFERENCE N° : USEBARGINT-2102-028

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	15-03 01/02	15-03 01/02	00-00 00/00	Nil	----	Nil			
01S	15-03 01/04	15-03 01/04	00-00 00/00	Nil	----	Nil			
02P	15-03 00/00	15-03 00/00	00-00 00/00	Nil	----	Nil			
02S	15-03 00/00	15-03 00/00	00-00 00/00	Nil	----	Nil			
03P	15-02 01/04	15-02 01/04	00-00 00/00	Nil	----	Nil			
03S	15-03 00/00	15-03 00/00	00-00 00/00	Nil	----	Nil			
				Nil		Nil			

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

Note:

No Trim Correction was applied.

VEF (divisor) of 1.0061 was applied to Vessel Received Quantities only

Notes for Totals: Vessel figures with VEF applied due to active shore tank 406

VESSEL QUANTITIES**ARRIVAL**

TCV, Barrels @ 60 °F	0.00
Free Water Barrels	0.00
GSV	
Barrels @ 60 °F	0.00
Gallons @ 60 °F	0.00
API Gravity @ 60 °F	
Lb/Gal @ 60 °F	



QUANTITY CERTIFICATE N° NOR-12419

Based On Vessel Measurements

VESSEL : EMS - 3007
LOCATION : PBF - Chalmette, LA
PRODUCT : LIGHT CYCLE OIL

MOVEMENT : Load
JOB COMPLETED : 17-FEB-2021
REFERENCE N° : USEBARGINT-2102-028

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	15-03 01/02	15-03 01/02	12-02 00/00	4,452.91	----	Nil	58.5	1.00058	4,455.49
01S	15-03 01/04	15-03 01/04	12-04 01/02	4,537.36	----	Nil	58.2	1.00069	4,540.49
02P	15-03 00/00	15-03 00/00	10-10 01/02	3,999.74	----	Nil	57.9	1.00081	4,002.98
02S	15-03 00/00	15-03 00/00	10-07 01/02	3,944.84	----	Nil	58.3	1.00065	3,947.40
03P	15-02 01/04	15-02 01/04	11-01 01/04	3,820.23	----	Nil	58.4	1.00061	3,822.56
03S	15-03 00/00	15-03 00/00	11-01 03/04	3,846.92	----	Nil	58.1	1.00073	3,849.73
				24,602.00		Nil	58.2		24,618.65

Draft (Ft-in)	Fwd (P)	Fwd (S)	Aft (P)	Aft (S)	Trim	List
Before	02-00	02-00	02-00	02-00	00-00 00/00	0.00
After	10-06	10-06	10-06	10-06	00-00 00/00	0.00

Note:

No Trim Correction was applied.

VEF (divisor) of 1.0061 was applied to Vessel Received Quantities only

Notes for Totals: Vessel figures with VEF applied due to active shore tank 406

VESSEL QUANTITIES	DEPARTURE	RECEIVED				
TCV, Barrels @ 60 °F	24,618.65	24,469.39	S&W	---		
Free Water Barrels	0.00	0.00		---		
	GSV	GSV	NSV		GSW	NSW
Barrels @ 60 °F	24,618.65	24,469.39	24,469.39	Long Tons - Air	3,746.860	3,746.860
Gallons @ 60 °F	1,033,983.30	1,027,714.38	1,027,714.38	Metric Tons - Air	3,806.986	3,806.986
API Gravity @ 60 °F	12.8 (T)	12.8 (T)		Short Tons - Air	4,196.483	4,196.483
Lb/Gal @ 60 °F	8.166633695	8.166633695		Kilograms - Air	3,806,986.0	3,806,986.0
				Pounds - Air	8,392,967.0	8,392,967.0

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

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**QUANTITY CERTIFICATE N° NOR-12419**

Based On Vessel Measurements

VESSEL : EMS - 3008
LOCATION : PBF - Chalmette, LA
PRODUCT : LIGHT CYCLE OIL

MOVEMENT : Load
JOB COMPLETED : 17-FEB-2021
REFERENCE N° : USEBARGINT-2102-028

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 00/00	15-00 00/00	00-00 00/00	Nil	----	Nil			
02P	15-00 00/00	15-00 00/00	00-00 00/00	Nil	----	Nil			
02S	14-11 03/04	14-11 03/04	00-00 00/00	Nil	----	Nil			
03P	14-11 03/04	14-11 03/04	00-00 00/00	Nil	----	Nil			
03S	14-11 01/02	14-11 01/02	00-00 00/00	Nil	----	Nil			
				Nil		Nil			

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

Note:

No Trim Correction was applied.

VEF (divisor) of 1.0061 was applied to Vessel Received Quantities only

Notes for Totals: Vessel figures with VEF applied due to active shore tank 406

VESSEL QUANTITIES**ARRIVAL**

TCV, Barrels @ 60 °F	0.00
Free Water Barrels	0.00
GSV	
Barrels @ 60 °F	0.00
Gallons @ 60 °F	0.00
API Gravity @ 60 °F	
Lb/Gal @ 60 °F	



QUANTITY CERTIFICATE N° NOR-12419

Based On Vessel Measurements

VESSEL : EMS - 3008
LOCATION : PBF - Chalmette, LA
PRODUCT : LIGHT CYCLE OIL

MOVEMENT : Load
JOB COMPLETED : 17-FEB-2021
REFERENCE N° : USEBARGINT-2102-028

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	11-04 01/04	4,168.45	----	Nil	57.9	1.00081	4,171.83
01S	15-00 00/00	15-00 00/00	11-11 00/00	4,394.85	----	Nil	58.2	1.00069	4,397.88
02P	15-00 00/00	15-00 00/00	11-07 01/04	4,310.77	----	Nil	58.6	1.00054	4,313.10
02S	14-11 03/04	14-11 03/04	11-08 03/04	4,360.18	----	Nil	58.1	1.00073	4,363.36
03P	14-11 03/04	14-11 03/04	10-05 01/04	3,667.61	----	Nil	57.7	1.00088	3,670.84
03S	14-11 01/02	14-11 01/02	09-06 01/02	3,482.52	----	Nil	58.0	1.00077	3,485.20
				24,384.38		Nil	58.1		24,402.21

Draft (Ft-in)	Fwd (P)	Fwd (S)	Aft (P)	Aft (S)	Trim	List
Before	02-00	02-00	02-00	02-00	00-00 00/00	0.00
After	10-06	10-06	10-06	10-06	00-00 00/00	0.00

Note:

No Trim Correction was applied.

VEF (divisor) of 1.0061 was applied to Vessel Received Quantities only

Notes for Totals: Vessel figures with VEF applied due to active shore tank 406

VESSEL QUANTITIES	DEPARTURE	RECEIVED				
TCV, Barrels @ 60 °F	24,402.21	24,254.26	S&W	---		
Free Water Barrels	0.00	0.00		---		
	GSV	GSV	NSV		GSW	NSW
Barrels @ 60 °F	24,402.21	24,254.26	24,254.26	Long Tons - Air	3,713.919	3,713.919
Gallons @ 60 °F	1,024,892.82	1,018,678.92	1,018,678.92	Metric Tons - Air	3,773.515	3,773.515
API Gravity @ 60 °F	12.8 (T)	12.8 (T)		Short Tons - Air	4,159.589	4,159.589
Lb/Gal @ 60 °F	8.166633695	8.166633695		Kilograms - Air	3,773,515.0	3,773,515.0
				Pounds - Air	8,319,178.0	8,319,178.0

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

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**TIME LOG REPORT N° NOR-12419**

VESSEL : EMS - 3007 & 3008
LOCATION : PBF - Chalmette, LA
PRODUCT : LIGHT CYCLE OIL

MOVEMENT : Load
JOB COMPLETED : 17-FEB-2021
REFERENCE N° : USEBARGINT-2102-028

Date	Time	Description
16-FEB-2021	01:20	Barge Tendered
	17:35	Barge(s) Arrived
	18:00	Inspector Notified
	18:00	Barge(s) Docked
	18:20	Inspector Arrived
	18:30	Inspector on Board
	18:35	Preliminary Inspection Commenced
	18:45	Preliminary Inspection Completed
	18:55	Preliminary Calculations Completed
	19:20	Hose(s) Connected
	21:55	Load Commenced
17-FEB-2021	05:50	Load Completed
	06:00	Inspector Notified
	06:30	Cargo Hose(s) Disconnected
	06:40	Inspector Arrived
	06:50	Inspector on Board
	07:00	Final Inspection Commenced
	07:45	Final Inspection Completed
	08:00	Final Calculations Completed
	08:05	Released
	12:45	Sent for/Awaiting Confirmation
	15:30	Confirmed with Loss Control

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

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LETTER OF PROTEST ° NOR-12419

VESSEL : EMS - 3007 & 3008
LOCATION : PBF - Chalmette, LA
PRODUCT : LIGHT CYCLE OIL

MOVEMENT : Load
JOB COMPLETED : 17-FEB-2021

TO : Terminal

REFERENCE : Active Shore Tanks

On Behalf of our Principals, we do hereby note the following Protest:

Shore Tank 406 Deemed Active During The Load Of The EMS 3007 & 3008

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



CERTIFICATE OF ANALYSIS N° NOR-12419

VESSEL : EMS - 3007 & 3008
LOCATION : PBF - Chalmette, LA
PRODUCT : LIGHT CYCLE OIL

MOVEMENT : Load
REF. NO. : USEBARGINT-
2102-028

Volumetric Composite		After Load	Sample N° : 1	17-FEB-2021 Sampled at 09:47
Description :	EMS - 3007 & 3008			
D 4052	API Gravity @ 60°F	12.8 °API		
D 1500	ASTM Color	L2.0		
D 93A	Flash Point	183 °F		
D 86	Distillation of Petroleum Products			
	IBP	353.5 °F		
	05%	459.6 °F		
	10%	485.9 °F		
	15%	490.8 °F		
	20%	497.5 °F		
	30%	513.3 °F		
	40%	527.5 °F		
	50%	545.8 °F		
	60%	568.1 °F		
	70%	596.8 °F		
	80%	633.4 °F		
	85%	653.7 °F		
	90%	675.9 °F		
	95%	709.8 °F		
	EP	721.8 °F		
	Recovery	98.0 Vol. %		
	Residue	1.5 Vol. %		
	Loss	0.5 Vol. %		
D 2887	Distillation of Petroleum Fractions by GC			
	IBP	278.0 °F		
	05 wt%	438.2 °F		
	10 wt%	444.2 °F		
	15 wt%	459.6 °F		
	20 wt%	418.3 °F		
	25 wt%	483.9 °F		
	30 wt%	489.8 °F		
	35 wt%	507.6 °F		
	40 wt%	517.3 °F		
	45 wt%	528.4 °F		
	50 wt%	539.9 °F		
	55 wt%	557.4 °F		
	60 wt%	570.8 °F		
	65 wt%	587.0 °F		
	70 wt%	605.3 °F		
	75 wt%	620.7 °F		
	80 wt%	642.7 °F		

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CERTIFICATE OF ANALYSIS N° NOR-12419

VESSEL : EMS - 3007 & 3008
LOCATION : PBF - Chalmette, LA
PRODUCT : LIGHT CYCLE OIL

MOVEMENT : Load
REF. NO. : USEBARGINT-2102-028

Volumetric Composite		After Load	Sample N° : 1	17-FEB-2021 Sampled at 09:47
Description :	EMS - 3007 & 3008			
	85 wt%	658.0 °F		
	90 wt%	680.9 °F		
	95 wt%	712.2 °F		
	EP	765.0 °F		
	Recovery	100.0 Wt. %		
D 4294	Sulfur	0.516 Mass %		
UOP 163	Hydrogen Sulfide (as S) in Liquid	<1 ppm wt.		
D 482	Ash	<0.001 Mass %		
D 524	Carbon Residue, Ramsbottom on 10% Bott.	0.68 Mass %		
D 4530	Carbon Residue, Micro Carbon	<0.10 Mass %		
D 6560	Asphaltenes	<0.5 Wt. %		
D 6304	Water by Karl Fischer in Products (Coulometric)	821 ppm		
D 2709	Sediment & Water	0.050 Vol. %		
D 7359	Chloride Content	0.56 mg/kg		
D 5762	Nitrogen	880 ppm		
F-21	Thermal Stability at 150°C			
	Thermal Stability @ 150°C (180 min, DuPont scale)	2 Rating		
D 6217	Particulate Contaminant	0.0 mg/L		
D 5184-A	Metals by ICP - Ashing & Fusion (Scope: Al & Si)			
	Silicon	6.4 mg/kg(ppm)		
D 5185	Metals in Lube and Base Oils by ICP (Organic Dilution)			
	Calcium	<0.500 mg/kg(ppm)		
	Iron	<0.50 mg/kg(ppm)		
	Magnesium	<0.500 mg/kg(ppm)		
	Nickel	<0.50 mg/kg(ppm)		
	Sodium	<0.50 mg/kg(ppm)		
	Vanadium	<0.50 mg/kg(ppm)		
D 8110	Metals by ICP-MS			
	Arsenic	10.00 ppb ^		
D 1159	Bromine Number (on D1160 - 360°C cut)	5.3 g Br/100g		
H2S Sample		After Load	~ Sample N° : 8	17-FEB-2021 Sampled at 10:44
Description :	EMS - 3007			
D 5705	Hydrogen Sulfide in Vapor @ 70°F	10 ppm		

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**CERTIFICATE OF ANALYSIS N° NOR-12419**

VESSEL : EMS - 3007 & 3008
LOCATION : PBF - Chalmette, LA
PRODUCT : LIGHT CYCLE OIL

MOVEMENT : Load
REF. NO. : USEBARGINT-2102-028

H2S Sample		After Load	~ Sample N° : 15	17-FEB-2021 Sampled at 10:44
Description :		EMS - 3008		
D 5705	Hydrogen Sulfide in Vapor @ 70°F	10 ppm		

The results apply to the samples as received and specifically to the items listed on this certificate.

Data contained in this report is confidential to the addressee and shall not be disclosed to any other party without their approval. This report may not be reproduced except in full without the written consent of the Camin Cargo Control.

Samples taken as per Standard Practice for Manual Sampling of Petroleum and Petroleum Products (ASTM D4057 / API MPMS Chapter 8.1) via a Closed System Sampler. Customer is advised that, due to its limitations, the samples may not fully represent the entire cargo.

All testing performed by Camin Cargo Control unless denoted by a ^ or *. ^ Result(s) was submitted to Camin Cargo Control by another laboratory. We do not assume any responsibility for the results, or accuracy and handling of said equipment.