

ExxonMobil Oil Corporation

22777 Springwoods Village Parkway Spring, TX 77389

Attention : Diana Lopez

MOVEMENT : Load

VESSEL : EMS - 321 & 365 **LOCATION** : KMI - Pasadena, TX

File N° : PAS-150747

DATE : 01/20/2021 - 01/28/2021

REFERENCE N° : 5248844

Contents

Voyage Analysis Report Shore Tank Quantity Vessel Quantity Report Line Displacement Timelog Analytical Report

Dear Client,

Please find attached our Inspection Report No. PAS-150747 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

1001 Shaw Avenue Pasadena, TX 77506 Phone: 713-910-4688 OpsPasadena@camincargo.com

www.camincargo.com

EXXM00-75 / 558776



VOYAGE ANALYSIS REPORT N° PAS-150747

 VESSEL
 : EMS - 321 & 365
 MOVEMENT
 : Load

 LOCATION
 : KMI - Pasadena, TX
 JOB COMPLETED
 : 27-JAN-2021

 PRODUCT
 : DIESEL
 REFERENCE N°
 : 5248844

 Port
 VCF
 Voyage#
 Gauge Date

 LOAD
 ; KMI - Pasadena, TX
 6B
 N/A
 27-JAN-2021

DISCHARGE

Barrels @ 60 °F	API @ 60 °F	TCV	FW	GSV	S&W	NSV	Referenc
I. SHORE/SHORE COMPARISO	N-NOT AVAILABLE						'
1. Loading Quantity	37.4	45,965.23	0.00	45,965.23	0.00	45,965.23	
2. Outturn							
3. Difference							(2-1)
4. Difference %							(3/1*100)
Adjusted TCV Difference							(3-b+l)
II. VESSEL/SHORE COMPARIS	SON AT LOADPORT						
a. After Loading		45,929.82	0.00	45,929.82	Liquid	Non-Liqu	ıid
b. OBQ		0.00	0.00	0.00			
c. Vessel Received		45,929.82	0.00	45,929.82			(a-b)
d. Difference		-35.41	0.00	-35.41			(c-1)
e. Difference %		-0.08		-0.08			(d/1*100)
f. Load Ratio		0.99923					(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 COMPARI	SON AT DISPORT-NO	T AVAILABLE					
k. Before Discharge					Liquid	Non-Liqu	ıid
I. ROB							

111	. VESSEL/SHOKE COMPARISON AT DISPORT-NOT AVAILABLE		
k.	Before Discharge	Liquid	Non-Liquid
l.	ROB		
m.	Vessel Delivered		(k-l)
n.	Difference		(2-m)
0.	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)

There are an insufficient number of voyages to compute a Load 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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QUANTITY CERTIFICATE N° PAS- 150747

Based on Shore Measurements

VESSEL : EMS - 321 & 365 MOVEMENT : Load

LOCATION: KMI - Pasadena, TXJOB COMPLETED : 27-JAN-2021PRODUCT: DIESELGRADE : Resto del PaísREFERENCE N° : 5248844

	Gauge	TOV	Water Gauge	Water Vol.	CTSh	Roof Corr.	GOV	Amb. Temp	Temp.	API	VCF	GSV	S&W	S&W Vol.	NSV
Tank: 150-11 Ref. Gauge Ht: 56.11 Gauge Date Open: 27-Jan 04:50						Gauge D	ate Close:	27-Jan 20:50)						
	Ft (Inn.)	Bbls	Ft	Bbls	Factor	Bbls	Bbls	°F	°F	@ 60°F	6B	Bbls @ 60°F	%	@ 60°F	Bbls @ 60°F
О	30.38	94,445.42	0.14	476.50	1.00004	9.50	93,982.18	59.0	63.8	37.4 (T)	0.99821	93,813.95			93,813.95
C	15.76	48,388.56	0.14	476.50	1.00004	9.50	47,923.48	57.0	63.3	37.4 (T)	0.99844	47,848.72			47,848.72
		46,056.86		0			46,058.70					45,965.23			45,965.23
	•		•			•		Line:						`	
								Adjustmen	ıt:						

S=Submitted / C=Calculated / T=Tested by CCC / W=Tested by Terminal/Refinery & Witnessed by CCC Totals computed using appropriate tables corresponding to Delivered API.

		DIESEL - TOTAL QU	IANTITIES - DELIVERED		
TCV, Barrels @ 60 °F	45,965.23	S&W			
Free Water Barrels	0.00				
	GSV	NSV		GSW	NSW
Barrels @ 60 °F	45,965.23	45,965.23	Long Tons - Air	6,012.010	6,012.010
Gallons @ 60 °F	1,930,539.66	1,930,539.66	Metric Tons - Air	6,108.484	6,108.484
API Gravity @ 60 °F (T)	37.4		Short Tons - Air	6,733.451	6,733.451
Lb/Gal @ 60 °F	6.975719404		Kilograms - Air	6,108,484.0	6,108,484.0
			Pounds - Air	13,466,903.0	13,466,903.0

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



 VESSEL
 : EMS - 321
 MOVEMENT
 : Load

 LOCATION
 : KMI - Pasadena, TX
 JOB COMPLETED
 : 27-JAN-2021

 PRODUCT
 : DIESEL
 REFERENCE N°
 : 5248844

Comp. No	Chart RH Ft-In	Gauge Ft-In	TOV Bbls	Water Gauge	Water Bbls	Temp. °F	VCF 6B	GSV @ 60 °F Bbls	
1P	14-05 01/04	00-00 00/00	Nil		Nil				
1S	14-05 03/04	00-00 00/00	Nil		Nil				
2P	14-05 01/04	00-00 00/00	Nil		Nil				
2S	14-05 00/00	00-00 00/00	Nil		Nil				
3P	14-05 01/04	00-00 00/00	Nil		Nil				
3S	14-05 01/04	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.

Vessel was gauged/sampled using a Closed/Restricted System

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	



VESSEL : Load : EMS - 321 MOVEMENT **LOCATION** : KMI - Pasadena, TX **JOB COMPLETED**: 27-JAN-2021 **PRODUCT** : DIESEL REFERENCE N° : 5248844

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	
1P	14-05 01/04	16-05 01/02	10-09 01/02	3,976.01		Nil	64.0	0.99811	3,968.50	
1S	14-05 03/04	16-06 00/00	10-09 01/02	3,976.01		Nil	64.1	0.99807	3,968.34	
2P	14-05 01/04	16-05 01/02	10-06 03/04	3,909.66		Nil	64.1	0.99807	3,902.11	
2S	14-05 00/00	16-05 01/02	10-06 03/04	3,909.66		Nil	64.2	0.99802	3,901.92	
3P	14-05 01/04	16-05 03/04	11-02 00/00	3,889.57		Nil	63.8	0.99821	3,882.61	
3S	14-05 01/04	16-05 03/04	11-06 01/02	3,975.30		Nil	64.0	0.99811	3,967.79	
				23,636.21		Nil	64.0		23,591.27	

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	09-00	09-00	09-00	09-00	00-00 00/00	0.00

Note:

No Trim Correction was applied.

Vessel was gauged/sampled using a Closed/Restricted System

VESSEL QUANTITIES	DEPARTURE	RECEIVED				
TCV, Barrels @ 60 °F	23,591.27	23,591.27	S&W			
Free Water Barrels	0.00	0.00				
	GSV	GSV	NS	SV .	GSW	NSW
Barrels @ 60 °F	23,591.27	23,591.27	23,5	91.27 Long Tons - Air	3,085.614	3,085.614
Gallons @ 60 °F	990,833.34	990,833.34	990,8	33.34 Metric Tons - Air	3,135.129	3,135.129
API Gravity @ 60 °F	37.3(T)	37.4(T)		Short Tons - Air	3,455.888	3,455.888
Lb/Gal @ 60 °F	6.979857869	6.97571940	4	Kilograms - Air	3,135,129.0	3,135,129.0
				Pounds - Air	6,911,775.0	6,911,775.0

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

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 VESSEL
 : EMS - 365
 MOVEMENT
 : Load

 LOCATION
 : KMI - Pasadena, TX
 JOB COMPLETED
 : 27-JAN-2021

 PRODUCT
 : DIESEL
 REFERENCE N°
 : 5248844

Comp. No	Chart RH Ft-In	Gauge Ft-In	TOV Bbls	Water Gauge	Water Bbls	Temp. °F	VCF 6B	GSV @ 60 °F Bbls-Liquid	GSV @ 60 °F Bbls-NonLiquid
01P	14-11 00/00	00-00 00/00	Nil		Nil				
01P-NL	14-11 00/00		Nil		Nil				
01S	14-11 00/00	00-00 00/00	Nil		Nil				
01S-NL	14-11 00/00		Nil		Nil				
02P	14-11 00/00	00-00 00/00	Nil		Nil				
02P-NL	14-11 00/00		Nil		Nil				
02S	14-11 00/00	00-00 00/00	Nil		Nil				
02S-NL	14-11 00/00		Nil		Nil				
03P	14-11 00/00	00-00 00/00	Nil		Nil				
03P-NL	14-11 00/00		Nil		Nil				
03S	14-11 00/00	00-00 00/00	Nil		Nil				
03S-NL	14-11 00/00		Nil		Nil				
			Nil		Nil			0.00	0.00

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.

Vessel was gauged/sampled using a Closed/Restricted System

VESSEL QUANTITIES	ОВQ
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	

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VESSEL : Load : EMS - 365 MOVEMENT

LOCATION : KMI - Pasadena, TX **JOB COMPLETED**: 27-JAN-2021 **PRODUCT** : DIESEL REFERENCE N° : 5248844

Comp. No	Chart RH Ft-In	Phy GH Ft-In	Gauge Ft-In	Corr. Gauge	TOV Bbls	Water Gauge	Water Bbls	Temp. °F	VCF 6B	GSV @ 60 °F Bbls	
01P	14-11 00/00	16-05 01/04	06-06 00/00	04-11 01/02	3,123.95		Nil	63.9	0.99816	3,118.20	
01S	14-11 00/00	16-05 01/04	06-00 00/00	04-05 01/02	3,311.89		Nil	63.8	0.99821	3,305.96	
02P	14-11 00/00	16-05 01/04	05-08 01/02	04-02 00/00	4,142.90		Nil	64.0	0.99811	4,135.07	
02S	14-11 00/00	16-05 01/04	05-08 03/04	04-02 01/04	4,149.94		Nil	63.8	0.99821	4,142.51	
03P	14-11 00/00	16-05 01/02	05-04 00/00	03-09 01/02	3,824.76		Nil	63.8	0.99821	3,817.91	
038	14-11 00/00	16-05 01/02	05-04 00/00	03-09 01/02	3,825.40		Nil	63.6	0.99830	3,818.90	
					22,378.84		Nil	63.8		22,338.55	

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	09-00	09-00	09-00	09-00	00-00 00/00	0.00

Note:

Trim Correction was applied.

Vessel was gauged/sampled using a Closed/Restricted System

VESSEL QUANTITIES	DEPARTURE	RECEIVED				
TCV, Barrels @ 60 °F	22,338.55	22,338.55	S&W			
Free Water Barrels	0.00	0.00				
	GSV	GSV	NSV		GSW	NSW
Barrels @ 60 °F	22,338.55	22,338.55	22,338.55	Long Tons - Air	2,921.765	2,921.765
Gallons @ 60 °F	938,219.10	938,219.10	938,219.10	Metric Tons - Air	2,968.650	2,968.650
API Gravity @ 60 °F	37.3(T)	37.4(T)		Short Tons - Air	3,272.377	3,272.377
Lb/Gal @ 60 °F	6.979857869	6.97571940	4	Kilograms - Air	2,968,650.0	2,968,650.0
				Pounds - Air	6,544,753.0	6,544,753.0

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

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Adjusted Volume Displaced



LINE DISPLACEMENT REPORT N° PAS-150747

: EMS - 321 & 365 VESSEL **MOVEMENT** : Load **LOCATION** : KMI - Pasadena, TX **JOB COMPLETED**: 27-JAN-2021 **PRODUCT** : DIESEL **REFERENCE N°:** 5248844

Shore Tank		Observed Gauges	TOV	Temp.	API	VCF	TCV
Gauge Date: 27-JAN-2021		Meter (Inn.)	Bbls	°F	@ 60 °F	6B	Bbls @ 60 °F
450.44	0	30.41	93,692.47	63.0	0.0	0.99870	848.90
150-11	С	30.14	92,842.47	63.8	0.0	0.99870	848.90
	_		850.00		•	•	

Total 850.00 848.90

Nominal Capacity

Shore Line Length Size **Nominal Capacity** Condition Before Displacement 1181.00 Bbls Full

6B	Bbls @ 60 °F
	22.5 @ 55 .
1 04047	390.17
1.04047	
•	
1 04045	200 10
1.04047	382.12
•	•
	1.04047

742.25 772.29 Total

Condition After 0.00 Bbls 0.00 **Empty Empty**

	TOV		
	Barrels	Gallons	
Total Tank	850.00	35,700.00	
Total Vessel	742.25	31,174.50	
Volume Difference	-107.75	-4,525.50	
% Difference	12.68	12.68	

As per API Ch. 17.6 TOV of the product displaced was at least 120% of the combined capacity of all designated vessel and shore transfer lines unless the conditions referred to in 17.6.8.1.1 applied, then 100 % of line capacity.

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

Condition Before

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Vessel's System

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LINE DISPLACEMENT REPORT N° PAS-150747

: EMS - 321 & 365 VESSEL **MOVEMENT** : Load **LOCATION** : KMI - Pasadena, TX **JOB COMPLETED**: 27-JAN-2021 **PRODUCT** : DIESEL **REFERENCE N°:** 5248844

Shore Tank		Observed Gauges	TOV	Temp.	API	VCF	TCV
Gauge Date: 27-JAN-2021		Meter (Inn.)	Bbls	°F	@ 60 °F	6B	Bbls @ 60 °F
450.44	0	30.14	92,842.47	63.0	0.0	0.99870	660.25
150-11	С	29.93	92,181.36	63.8	0.0	0.99870	660.25
			661 .11				

Total 661.11 660.25

Nominal Capacity

Shore Line Length Size **Nominal Capacity** Condition Before Displacement 1181.00 Bbls Full

Vessel		Observed Gauges	TOV	Temp.	API	VCF	тсч
EMS - 321		Ft-In (Ull.)	Bbls	°F	@ 60 °F	6B	Bbls @ 60 °F
3P	0	01-00 01/04	374.99	0.0	60.0	1.04047	329.84
32	С	01-10 01/02	692.00	0.0	60.0	1.04047	
			317.01			•	•
20	0	01-00 00/00	367.26	0.0	60.0	1 04045	
3S	С	01-10 00/00	676.54	0.0	60.0	1.04047	321.80
	•		309.28			•	•

626.29 651.64 Total Condition Before Condition After **Adjusted Volume Displaced**

Full Full 0.00 Bbls 0.00

	TOV		
	Barrels	Gallons	
Total Tank	661.11	27,766.62	
Total Vessel	626.29	26,304.18	
Volume Difference	-34.82	-1,462.44	
% Difference	5.27	5.27	

As per API Ch. 17.6 TOV of the product displaced was at least 120% of the combined capacity of all designated vessel and shore transfer lines unless the conditions referred to in 17.6.8.1.1 applied, then 100 % of line capacity.

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

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Vessel's System



TIME LOG REPORT N° PAS-150747

 VESSEL
 : EMS - 321 & 365
 MOVEMENT
 : Load

 LOCATION
 : KMI - Pasadena, TX
 JOB COMPLETED
 : 27-JAN-2021

 PRODUCT
 : DIESEL
 REFERENCE N°
 : 5248844

Date	Time	Description
25-JAN-2021	13:14	Notice of Readiness Tendered
27-JAN-2021	01:30	Barge(s) Arrived
	03:10	Inspector Notified
	03:20	Inspector Arrived
	03:25	Inspector on Board
	03:30	Preliminary Inspection Commenced
	03:40	Preliminary Inspection Completed
	03:45	Preliminary Calculations Commenced
	03:50	Preliminary Calculations Completed
	03:51	Notice of Readiness Accepted
	04:50	Shore Tank 150-11 Gauged and Sampled Open
	09:00	Load Commenced
	09:30	Load Suspended
	09:35	1st Line Verification Commenced
	10:05	1st Line Verification Completed
	10:10	Load Resumed
	10:25	Load Suspended
	10:50	2nd Line Verification Commenced
	11:10	2nd Line Verification Completed
	11:15	Load Resumed
	19:20	Inspector Notified
	19:40	Inspector Arrived
	20:15	Load Completed
	20:45	Hose(s) Disconnected
	20:50	Shore Tank 150-11 Gauged Close
	21:15	Inspector on Board
	21:20	Final Inspection Commenced
	21:50	Final Inspection Completed
	22:00	Final Calculations Commenced
	22:30	Final Calculations Completed
	22:50	Sampling Commenced
	23:20	Sampling Completed
	23:25	Released
28-JAN-2021	08:56	Sent for/Awaiting Confirmation
	10:28	Received confirmation from the terminal

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

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CERTIFICATE OF ANALYSIS N° PAS-150747

: EMS - 321 & 365 VESSEL LOCATION : KMI - Pasadena, TX

MOVEMENT : Load **PRODUCT** : DIESEL : 5248844 REF. NO. GRADE : Resto del País **JOB COMPLETED** : 01/27/2021

GRADE	: Resto del País		JOB (COMPLETED	: 01/2//2021
тк:	150-11 Upper	Before Load	Sample N°:	1	20-JAN-202 Sampled at 11:45
D 4052	API Gravity @ 60°F	37.4 °API			
TK:	150-11 Middle	Before Load	Sample N°:	2	20-JAN-202 Sampled at 11:45
D 4052	API Gravity @ 60°F	37.4 °API			
TK:	150-11 Lower	Before Load	Sample N°:	3	20-JAN-202 Sampled at 11:45
D 4052	API Gravity @ 60°F	37.4 °API			
TK:	150-11 Running	Before Load	Sample N°:	4	20-JAN-202 Sampled at 11:45
D 4052	API Gravity @ 60°F	37.4 °API			
D 2624	Electrical Conductivity	2 pS/m			
D 6079	Lubricity by HFRR				
	Major Axis	660 µm			
	Minor Axis	640 µm			
	Wear Scar Diameter @ 6	650 microns			
TK:	150-11 Hand Bl	Before Load	Sample N°:	5	20-JAN-202 Sampled at 11:45
Description :	Dosed w/ 200 ppm Li-3 &	ppm Stadis 425			
D 4052	API Gravity @ 60°F	37.4 °API			
D 2624	Electrical Conductivity	229 pS/m			
D 6079	Lubricity by HFRR				
	Major Axis	470 μm			
	Minor Axis	360 µm			
	Wear Scar Diameter @ 6	420 microns			
TK:	150-11 Hand Bl	Before Load	Sample N°:	6	22-JAN-202 Sampled at 10:00
Description:	Dosed w/ 150ppm of Li-3				
D 6079	Lubricity by HFRR				
	Major Axis	490 µm			
	Minor Axis	470 µm			
	Wear Scar Diameter @ 6				
	Volumet	After Load	Sample N°:	23	27-JAN-202 Sampled at
	Compos				23:20
Description :	Compos EMS - 321 & 365				23:20
Description : D 4052		37.3 °API			23:20
	EMS - 321 & 365	37.3 °API 0.8343			23:20
D 4052	EMS - 321 & 365 API Gravity @ 60°F				23:20

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Email: OpsPasadena@camincargo.com

EXXM00-75 / 558776 / AU / R0 / 7032008 / Generated: January 29, 2021



CERTIFICATE OF ANALYSIS N° PAS-150747

VESSEL : EMS - 321 & 365 **LOCATION** : KMI - Pasadena, TX

PRODUCT : DIESEL
GRADE : Resto del País

MOVEMENT : Load
REF. NO. : 5248844
JOB COMPLETED : 01/27/2021

	Volumetric Composite	After Load	Sample N°:	23	27-JAN-2021 Sampled at 23:20
Description:	EMS - 321 & 365				
D 2500	Cloud Point	-12 °C			
D 97	Pour Point	<-24 °C			
D 445	Kinematic Viscosity @ 40 °C	2.389 mm2/s			
D 86	Distillation of Petroleum Products				
	10%	386.0 °F			
	50%	486.0 °F			
	90%	614.2 °F			
	Initial Boiling Point	162.8 °C			
	10%	196.7 °C			
	50%	252.2 °C			
	90%	323.4 °C			
	Final Boiling Point (End Point)	353.8 °C			
D 976	Cetane Index	47.7			
D 4737A	Cetane Index	47.5			
D 613	Cetane Number	48.1			
D 5186	Total Aromatics (correlated to D1319)	21.2 Vol. %			
D 2622	Sulfur	5.5 mg/kg(ppm)			
D 482	Ash	<0.001 Mass %			
D 524	Carbon Residue, Ramsbottom on 10% Bott.	<0.10 Mass %			
D 2709	Sediment & Water	<0.010 Vol. %			
D 130	Copper Corrosion @ 50 °C (3 hrs)	1a			
D 2624	Electrical Conductivity	135 pS/m			
D 6079	Lubricity by HFRR				
	Wear Scar Diameter @ 60° C	350 microns			

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)

All testing is performed on premises by Camin Cargo Control and in accordance to the latest referenced test method unless specifically stated otherwise.

nekolos P Deveriber

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