

ESSO NEDERLAND BV  
CON/PMI  
POSTBUS 1  
4803AA BREDA  
Netherlands  
Mr. P. O'Hare  
INTV007CRU-2102-0080



Job No 12010/00086752.0000/01/I/21  
Report date 30 Mar 2021  
Installation Rotterdam, Netherlands, TEAM Terminal bv

**Vessel JASMINE KNUTSEN**  
**Product Western Isle Crude Oil**

Outturn date: 29 Mar 2021

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Saybolt Nederland BV has performed a survey of the above mentioned object, the findings of the survey are reflected in the following reports:

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This report consists of 25 pages.

A copy of this report and all field documents and related correspondence will be retained for a period of 10 years, unless local law requires otherwise

Handled by: Jeffrey van Leijden

*This report reflects only the findings at the time and place of the inspection and testing. This report is not a guarantee or policy of insurance with respect to the goods or the contractual performance of any party. Any person relying upon this report should be aware that issuer's activities are carried out under their general terms and conditions.*

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## Cover Page Discharge

### Discharge data

<b>Quantity data</b>			
Outturn is based on:		Shore tank measurements	
Outturn figure amounts to GSV	Liters 15°C	52,690,344	
Outturn date		29 Mar 2021	
Loadport		Western Isles Oil Field	
B/L Date		26 Mar 2021	
Average product temperature onboard	°C	23.10	
<b>Calculation data</b>			
Shore tank Volume conversion table used		54A	
Vessel Volume conversion table used		54A	
<b>Shore data</b>			
Discharge Installation		TEAM Terminal bv	
Shore tank number(s)		901, 905, 965	
Shore tank measurements were carried out with		Shore equipment/ATG	by Automatic Tank Gauge
Shore tank temperatures were carried out with		Shore equipment/ATG	by Automatic Tank Temperature
<b>Vessel data</b>			
Cargo stowed in cargo tanks		P1, S1, P3, S3, P5, S5	
Vessel tank measurement were carried out with		Vessel/barge equipment/ATG	by UTI
Vessel tank measurement equipment number		14629	
Vessel tank temperature equipment number		14629	
Sea Condition		Smooth (wavelets) - 0.1 to 0.5 m (3.9 in to 1 ft 7.7 in)	
Weather condition		Cloudy	
<b>Operational data</b>			
Quality has been determined by		AILS	
<b>Special conditions which occurred during operation</b>			
A line displacement has been performed at commencement of Operation			
<b>Special Circumstances</b>			
Vessel berthed at TEAM terminal Jetty2 and discharged into shore tank 901-965-905.			
Vessel loaded off-shore, measurements are taken with swell. VLR this voyage is based on ship's measurements on arrival.			
** VEF is only based on off-shore loadings (no other figures available)			
Shore receipt figures are based on shore tank measurements / analysis on I.L.S. during discharge.			
A letter of protest was issued for ship's figures discharged (incl/excl. VEF) vs Provisional Outturn and Bill of Lading vs Provisional Outturn.			

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## Time Log

28 Mar 2021 (Sunday)	
11:00	End of Sea Passage
12:18	Notice of Readiness Tendered
12:18	Anchor Down
23:42	Anchor Up
29 Mar 2021 (Monday)	
01:30	Pilot on Board
03:54	First Line Ashore
05:00	Notice of Readiness Received
05:00	Moored Alongside Berth (All Fast)
05:00	Saybolt onboard before Operation
05:00	Gangway in Place
05:30	Commenced Initial Inspection
05:42	Hose / Arm Connected
06:42	Completed Initial Inspection and Calculations, Tank(s) Measured and Sampled
07:42	COMMENCED DISCHARGE
08:18	Delay: Suspended due to line displacement calculation (18 minutes)
15:18	Suspended discharge due to internal stripping
17:00	Commenced COW operations
17:36	Completed COW operations
19:18	Resumed discharge
20:15	Saybolt onboard after Operation
20:30	COMPLETED DISCHARGE
20:45	Commenced Final Inspection
21:12	Hose / Arm Disconnected
21:30	Completed Final Inspection and Calculations, Tank(s) Inspected on Emptiness
22:00	Documents on Board
30 Mar 2021 (Tuesday)	
00:01	Object Sailed / Departed

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## Summary Discharge (GSV)

### Gross Standard Volume Data

GSV Figures	Loadport Incl OBQ	Disport Incl ROB	Δ Quantity	Δ %
Liters 15°C	52,661,957	52,884,859	222,902	0.42
Barrels 60°F	331,386	332,789	1,403	0.42
US Gallons 60°F	13,918,220	13,977,131	58,911	0.42
Metric Tons Vac	45,410.406	45,602.614	192.208	0.42
Kilos Vac	45,410.406	45,602.614	192.208	0.42
Metric Tons Air	45,354.051	45,546.021	191.970	0.42
Kilos Air	45,354.051	45,546.021	191.970	0.42
Long Tons Air	44,637.75	44,826.69	188.94	0.42

GSV Figures	Loadport Excl OBQ	Disport Excl ROB	Δ Quantity	Δ %
Liters 15°C	52,661,957	52,884,859	222,902	0.42
Barrels 60°F	331,386	332,789	1,403	0.42
US Gallons 60°F	13,918,220	13,977,131	58,911	0.42
Metric Tons Vac	45,410.406	45,602.614	192.208	0.42
Kilos Vac	45,410.406	45,602.614	192.208	0.42
Metric Tons Air	45,354.051	45,546.021	191.970	0.42
Kilos Air	45,354.051	45,546.021	191.970	0.42
Long Tons Air	44,637.75	44,826.69	188.94	0.42

GSV Figures	Bill of Lading	Shore receipt	Δ Quantity	Δ %
Liters 15°C	52,952,739	52,690,344	-262,395	-0.50
Barrels 60°F	333,232	331,580	-1,652	-0.50
US Gallons 60°F	13,995,071	13,925,722	-69,349	-0.50
Metric Tons Vac	45,659.563	45,429.614	-229.949	-0.50
Kilos Vac		45,429.614		
Metric Tons Air	45,602.899	45,373.227	-229.672	-0.50
Kilos Air		45,373.227		
Long Tons Air	44,882.65	44,656.62	-226.03	-0.50

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Discharged	0.8623	0.8587	32.51	0.8628	
Bill of Lading	0.8623	0.8587	32.52	0.8628	0.033
Shore Receipt	0.8622	0.8586	32.53	0.8627	0.150

Water Data		Vessel Loadport	Vessel Disport	Bill of Lading	Shore Receipt
Free water	Liters	5,262			
S&W Volume	Liters		10,577	17,474	79,036
Total Volume	Liters	5,262	10,577	17,474	79,036

### General Data

Vessel Loaded Ratio	0.9980
Vessel Experience Factor Based on 2nd average	1.0011
Loadport	Western Isles Oil Field

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## Summary Discharge (NSV)

### Net Standard Volume Data

NSV Figures	Bill of Lading	Shore receipt	Δ Quantity	Δ %
Liters 15°C	52,935,265	52,611,308	-323,957	-0.61
Barrels 60°F	333,122	331,082	-2,040	-0.61
US Gallons 60°F	13,990,453	13,904,834	-85,619	-0.61
Metric Tons Vac	45,641.212	45,348.997	-292.215	-0.64
Metric Tons Air	45,584.571	45,292.710	-291.861	-0.64
Long Tons Air	44,864.61	44,577.38	-287.23	-0.64

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Discharged	0.8623	0.8587	32.51	0.8628	
Bill of Lading	0.8623	0.8587	32.52	0.8628	0.033
Shore Receipt	0.8622	0.8586	32.53	0.8627	0.150

Water Data		Vessel Loadport	Vessel Disport	Bill of Lading	Shore Receipt
Free water	Liters	5,262			
S&W Volume	Liters		10,577	17,474	79,036
Total Volume	Liters	5,262	10,577	17,474	79,036

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Loadport	Western Isles Oil Field

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## Summary Discharge (TCV)

### Total Calculated Volume Data

TCV Figures	Loadport Incl OBQ	Disport Incl ROB	Δ Quantity	Δ %
Liters 15°C	52,667,219	52,884,859	217,640	0.41
Barrels 60°F	331,419	332,789	1,370	0.41
TCV Figures	Bill of Lading	Shore receipt	Δ Quantity	Δ %
Liters 15°C	52,952,739	52,690,344	-262,395	-0.50
Barrels 60°F	333,232	331,580	-1,652	-0.50
US Gallons 60°F	13,995,071	13,925,722	-69,349	-0.50

	Density 15°C	Density 20°C	API 60°F	RD 60/60°F	S&W%
Vessel Discharged	0.8623	0.8587	32.51	0.8628	
Bill of Lading	0.8623	0.8587	32.52	0.8628	0.033
Shore Receipt	0.8622	0.8586	32.53	0.8627	0.150

Water Data		Vessel Loadport	Vessel Disport	Bill of Lading	Shore Receipt
Free water	Liters	5,262			
S&W Volume	Liters		10,577	17,474	79,036
Total Volume	Liters	5,262	10,577	17,474	79,036

### General Data

Vessel Loaded Ratio	0.9980
Vessel Experience Factor Based on 2nd average	1.0011
Loadport	Western Isles Oil Field

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## Shore Tank Measurement Details

### Shore tank 901

Measurement data (Innage)	Open	Close
Average m m	8070	15371

### Temperature

#### Measurement Equipment Data

	Open	Close
Gauging equipment type	Shore equipment/ATG	Shore equipment/ATG
Gauging Equipment used	Automatic Tank Gauge	Automatic Tank Gauge
Temperature equipment type	Shore equipment/ATG	Shore equipment/ATG
Temperature Equipment used	Automatic Tank Temperature	Automatic Tank Temperature
Inspector Equipment used for verification?	Yes	Yes
Inspector name	D. Kol	D. Kol

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## Shore Tank Measurement Details

### Shore tank 905

Measurement data (Innage)	Open	Close
Average m m	7915	10372

### Temperature

#### Measurement Equipment Data

	Open	Close
Gauging equipment type	Shore equipment/ATG	Shore equipment/ATG
Gauging Equipment used	Automatic Tank Gauge	Automatic Tank Gauge
Temperature equipment type	Shore equipment/ATG	Shore equipment/ATG
Temperature Equipment used	Automatic Tank Temperature	Automatic Tank Temperature
Inspector Equipment used for verification?	Yes	Yes
Inspector name	D. Kol	R. Wendels



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## Shore Tank Measurement Details

### Shore tank 965

Measurement data (Innage)		Open	Close
Average	m m	13757	20437
<b>Temperature</b>			
<b>Measurement Equipment Data</b>		<b>Open</b>	<b>Close</b>
Gauging equipment type		Shore equipment/ATG	Shore equipment/ATG
Gauging Equipment used		Automatic Tank Gauge	Automatic Tank Gauge
Temperature equipment type		Shore equipment/ATG	Shore equipment/ATG
Temperature Equipment used		Automatic Tank Temperature	Automatic Tank Temperature
Inspector Equipment used for verification?		Yes	Yes
Inspector name		J. Hoek	M. Ruurda

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## Shore Tank Report Single

### Shore tank 901 at TEAM Terminal bv

Shore tank measurement		Open	Close
Date / Time of measurement		29 Mar 2021	29 Mar 2021 11:35
Average Innage	m m	8070	15371
Average temp.	°C	6.80	14.00
T.O.V.	Liters	20,584,845	39,217,896
G.O.V.	Liters	20,584,845	39,217,896
Dens 15°C	kg/l	0.8674	0.8649
V.C.F.	54A	1.00670	1.00080
G.S.V.	liters 15°C	20,722,763	39,249,270

Totals			GSV	NSV
T.O.V.	Liters	18,633,051	Liters 15°C	18,526,507
G.O.V.	Liters	18,633,051	Barrels 60°F	116,587
			US Gallons 60°F	4,896,438
Density 15°C	kg/l	0.8622	Metric Tons Vac	15,973.554
RD 60/60°F		0.8627	Metric Tons Air	15,953.728
API 60°F		32.53	Long Tons Air	15,701.76
Average Temp.	°C	21.95	S&W %	0.150

Tables used: 54A and Dens. 15°C kg/l.

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## Shore Tank Report Single

### Shore tank 905 at TEAM Terminal bv

Shore tank measurement		Open	Close
Date / Time of measurement		29 Mar 2021 11:00	30 Mar 2021 04:20
Average Innage	m m	7915	10372
Average temp.	°C	15.80	17.60
T.O.V.	Liters	20,147,685	26,424,023
G.O.V.	Liters	20,147,685	26,424,023
Dens 15°C	kg/l	0.9116	0.8999
V.C.F.	54A	0.99941	0.99803
G.S.V.	liters 15°C	20,135,798	26,371,968

Totals		GSV	NSV
T.O.V.	Liters	6,276,338	Liters 15°C 6,236,170
G.O.V.	Liters	6,276,338	Barrels 60°F 39,244
			US Gallons 60°F 1,648,180
Density 15°C	kg/l	0.8622	Metric Tons Vac 5,376.826
RD 60/60°F		0.8627	Metric Tons Air 5,370.152
API 60°F		32.53	Long Tons Air 5,285.34
Average Temp.	°C	23.38	S&W % 0.150

Tables used: 54A and Dens. 15°C kg/l.

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## Shore Tank Report Single

### Shore tank 965 at TEAM Terminal bv

Shore tank measurement		Open	Close
Date / Time of measurement		29 Mar 2021 04:30	29 Mar 2021 16:00
Average Innage	m m	13757	20437
Average temp.	°C	14.30	17.40
T.O.V.	Liters	58,122,600	86,255,928
G.O.V.	Liters	58,122,600	86,255,928
Dens 15°C	kg/l	0.8620	0.8621
V.C.F.	54A	1.00060	0.99802
G.S.V.	liters 15°C	58,157,474	86,085,141

Totals		GSV	NSV
T.O.V.	Liters 28,133,328	Liters 15°C 27,927,667	27,885,775
G.O.V.	Liters 28,133,328	Barrels 60°F 175,749	175,485
		US Gallons 60°F 7,381,104	7,370,033
Density 15°C	kg/l 0.8622	Metric Tons Vac 24,079.234	24,036.504
RD 60/60°F	0.8627	Metric Tons Air 24,049.347	24,006.670
API 60°F	32.53	Long Tons Air 23,669.52	23,627.52
Average Temp.	°C 23.80	S&W %	0.150

Tables used: 54A and Dens. 15°C kg/l.

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**Shore Tank Subtotals**

Shore tank Subtotals	Totals	901	905	965
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**Gross Standard Volume**

Liters 15°C	52,690,344	18,526,507	6,236,170	27,927,667
Barrels 60°F	331,580	116,587	39,244	175,749
US gallons 60°F	13,925,722	4,896,438	1,648,180	7,381,104
Kilos Vac	45,429,614	15,973,554	5,376,826	24,079,234
Kilos Air	45,373,227	15,953,728	5,370,152	24,049,347
Long Tons Air	44,656.62	15,701.76	5,285.34	23,669.52

Density 15°C		0.8622	0.8622	0.8622
API 60°F		32.53	32.53	32.53
RD 60/60°		0.8627	0.8627	0.8627

**Net Standard Volume**

Liters 15°C	52,611,308	18,498,717	6,226,816	27,885,775
Barrels 60°F	331,082	116,412	39,185	175,485
US gallons 60°F	13,904,834	4,889,093	1,645,708	7,370,033
Kilos Vac	45,348,997	15,945,208	5,367,285	24,036,504
Kilos Air	45,292,710	15,925,417	5,360,623	24,006,670
Long Tons Air	44,577.38	15,673.90	5,275.96	23,627.52

S&W Vol%	0.150	0.150	0.150	0.150
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**Total Calculated Volume**

Liters 15°C		18,526,507	6,236,170	27,927,667
Barrels 60°F	331,580	116,587	39,244	175,749
US gallons 60°F		4,896,438	1,648,180	7,381,104

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## Ullage Report Arrival

Survey Date and Time 29 Mar 2021 06:42

Dens. 15°C Vac

0.8623

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Free water Liters	GOV Liters	Temp °C	VCF table 54A	GSV Liters 15°C
P1	7830		7,542,400	NIL		7,542,400	22.10	0.99412	7,498,051
S1	7730		7,585,400	NIL		7,585,400	22.20	0.99404	7,540,191
P3	7780		9,544,000	NIL		9,544,000	23.60	0.99288	9,476,047
S3	7680		9,598,000	NIL		9,598,000	23.60	0.99288	9,529,662
P5	7910		9,438,600	NIL		9,438,600	23.40	0.99305	9,373,002
S5	7790		9,533,400	NIL		9,533,400	23.30	0.99313	9,467,906
Totals			53,241,800			53,241,800			52,884,859

### Summary Totals

On-board figures	ROB Information	Draft	Correction
GSV Liters 15°C	52,884,859	FORE m	10.20 TRIM m nil
TCV Liters 15°C	52,884,859	AFT m	10.20 LIST ° nil
TCV Barrels	332,789	Trim/List correction applied: No	

On-board figures	Discharged figures
GSV Liters 15°C	52,884,859
GSV Barrels 60°F	332,789
GSV US gallons 60	13,977,131
MT vac	45,602.614
MT air	45,546.021
Kilos air	45,546.021
LT	44,826.69

### Equipment used

Gauge Equipment Type	Vessel/barge equipment/ATG	Temperature Equipment number	14629
Gauge Equipment Used	UTI		
Gauge Equipment number	14629		

Signed by: Ship's representative  
Name: Penni Abbott  
Rank: Chief Officer

Saybolt representative  
Jeroen Hoek  
Saybolt Inspector

Measurements in accordance with API standards.

Saybolt Nederland B.V., P.O. Box 151, 3000 AD Rotterdam, The Netherlands  
Tel. +31 (0)10 46 09 911 FAX +31 (0)10 435 3600  
Website: www.saybolt.com E-mail: saybolt@corelab.com

Date: 01 Apr 2021 09:17  
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Job No 12010/00086752.0000/01/I/21  
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Installation Rotterdam, Netherlands, TEAM Terminal bv

**Vessel JASMINE KNUTSEN**  
**Product Western Isle Crude Oil**

Outturn date: 29 Mar 2021

## Ullage Report LoadPort

Survey Date and Time

Dens. 15°C Vac

0.8623

Tank	ullage mm	ullage corr mm	TOV Liters	Free water mm	Liters	GOV Liters	Temp °C	VCF table 54A	GSV Liters 15°C
P1	7940		7,485,600			7,485,600	25.80	0.99105	7,418,604
S1	7750		7,575,000			7,575,000	25.80	0.99105	7,507,204
P3	7740		9,570,000			9,570,000	26.40	0.99056	9,479,659
S3	7760		9,546,000			9,546,000	26.60	0.99039	9,454,263
P5	7880		9,485,000		5,262	9,479,738	26.50	0.99047	9,389,396
S5	7840		9,501,000			9,501,000	26.20	0.99072	9,412,831
Totals			53,162,600		5,262	53,157,338			52,661,957

### Summary Totals

On-board figures	OBQ Information	Draft	Correction
GSV Liters 15°C	52,661,957	FORE m	10.10 TRIM m nil
plus F.W.	5,262	AFT m	10.10 LIST ° NIL
TCV Liters 15°C	52,667,219		
TCV Barrels	331,419	Trim/List correction applied:	No
On-board figures			
GSV Liters 15°C	52,661,957	Average Product Temp °C	26.25
GSV Barrels 60°F	331,386		
GSV US gallons 60	13,918,220		
MT vac	45,410.406		
MT air	45,354.051		
Kilos air	45,354.051		
LT	44,637.75		

### Remarks

Ullages and temperatures copied from load port, recalculated by Saybolt.

Signed by: Ship's representative  
Name: Penni Abbott  
Rank: Chief Officer

Saybolt representative

Saybolt Inspector

ESSO NEDERLAND BV  
CON/PMI  
POSTBUS 1  
4803AA BREDA  
Netherlands  
Mr. P. O'Hare  
INTV007CRU-2102-0080



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**Vessel JASMINE KNUTSEN**  
**Product Western Isle Crude Oil**

Outturn date: 29 Mar 2021

**ROB Report**

Survey Date and Time 29 Mar 2021 21:30

Tank	Total Observed Volume		Liquid Oil		Non-Liquid		Free water	
	sounding mm	Volume Liters	sounding mm	Volume Liters	sounding mm	Volume Liters	sounding mm	Volume Liters
P1	NIL		NIL		NIL		NIL	
S1	NIL		NIL		NIL		NIL	
P3	NIL		NIL		NIL		NIL	
S3	NIL		NIL		NIL		NIL	
P5	NIL		NIL		NIL		NIL	
S5	NIL		NIL		NIL		NIL	

**Summary Totals**

On-board figures			Draft		Corrections		
Total Observed Volume	Liters		Fore	m	7.30	Trim	m
Free Water	Liters		Aft	m	9.30	List	°
Gross Observed Volume	Liters		Sea water temperature				
Liquid Volume	Liters		Ambient temperature				
Non-Liquid Volume	Liters		Trim/List correction applied?				
			Wedge formula applied?				

**Remarks**

1. Above volumes presumed to be at standard temperature unless otherwise noted.
2. Above volumes exclude any clingage.
3. Measurements are taken at one point only unless otherwise stated.

Signed by: Ship's representative  
Name: Penni Abbott  
Rank: Chief Officer

Saybolt representative  
E. Ackermans  
Saybolt Inspector



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**Vessel JASMINE KNUTSEN**  
**Product Western Isle Crude Oil**

Outturn date: 29 Mar 2021

## Bill Of Lading Report

Certificate No.		1
Date	26 Mar 2021	
Grade	Western Isle Crude Oil	
Quantity	Gross	Net
Liters 15°C	52,952,739	52,935,265
Barrels 60°F	333,232	333,122
US Gallons 60°F	* 13,995,071	13,990,453
Metric Tons Vac	* 45,659.563	45,641.212
Metric Tons Air	45,602.899	45,584.571
Long Tons	44,882.65	44,864.61
Density 15°C	0.8623	
Density 20°C	0.8587	
Api 60°F	32.51	
RD 60/60°F	0.8628	

\* As calculated by Saybolt for comparison purposes only.

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**Vessel JASMINE KNUTSEN**  
**Product Western Isle Crude Oil**

Outturn date: 29 Mar 2021

## Vessel Experience Report

Voyage number	Grade	Port	Date	Ship's Sailing Barrels	OBQ Barrels	B/L Difference Barrels	VLR Ship / Shore	Qual. voyage
last 345	Triton CO	Triton FPSO	15 Mar 2021	462,683.500	462,580.000	103.500	1.00022	yes
2nd 344	Western Isles CO	Western Isles FPSO,UK	22 Feb 2021	324,155.900	323,211.000	944.900	1.00292	yes
3rd 343	Triton CO	Triton FPSO	08 Feb 2021	451,086.000	450,483.000	603.000	1.00134	yes
4th 342	Western Isles CO	Western Isles FPSO,UK	26 Jan 2021	331,220.100	330,210.000	1,010.100	1.00306	yes
5th 341	Beryl CO	Beryl SPM #2	09 Jan 2021	552,485.200	552,170.000	315.200	1.00057	yes
6th 340	Western Isles CO	Western Isles FPSO,UK	26 Dec 2021	327,158.900	327,206.000	-47.100	0.99986	yes
7th 339	Western Isles CO	Western Isles FPSO,UK	06 Dec 2020	268,066.300	268,133.000	-66.700	0.99975	yes
8th 338	Beryl Crude Oil	Beryl SPM #2	15 Nov 2020	598,977.500	599,117.000	-139.500	0.99977	yes
9th 337	Western Isles CO	Western Isles FPSO,UK	06 Nov 2020	321,114.100	321,252.900	-138.800	0.99957	yes
10th 336	Triton Crude Oil	Triton FPSO	28 Oct 2020	396,950.100	396,237.000	713.100	1.00180	yes
11th 335	Western Isles CO	Western Isles FPSO, UK	08 Oct 2020	328,912.500	328,028.000	884.500	1.00270	yes
12th 334	Pierce Crude Oil	Pierce Oilfield	29 Sep 2020	524,400.000	524,025.000	375.000	1.00072	yes
13th 333	Oseberg Crude Oil	Sture, Norway	23 Jul 2020	113,587.780	113,589.000	-1.220	0.99999	yes
14th 332	Western Isles CO	Western Isles FPSO, UK	13 Jul 2020	79,374.510	79,413.200	-38.690	0.99951	yes
15th 330	Beryl Co	Beryl	22 Jun 2020	105,354.700	105,344.800	9.900	1.00009	yes
16th 331	Western Isles CO	Western Isles FPSO, UK	19 Jun 2020	75,827.100	75,847.900	-20.800	0.99973	yes
17th 330	Beryl Crude Oil	Beryl SPM #2	22 May 2020	105,354.700	105,344.800	9.900	1.00009	yes
18th 329	Western Isles CO	Western Isles FPSO, UK	13 May 2020	509,835.010	508,714.000	1,121.010	1.00220	yes
19th 328	Western Isles CO	Western Isles FPSO, UK	07 Apr 2020	501,980.800	500,500.000	1,480.800	1.00296	yes
20th 328	Beryl C.O.	Beryl SPM #2	30 Mar 2020	476,248.600	475,969.000	279.600	1.00059	yes
<b>Totals</b>				6,854,773.300	6,847,375.600			
<b>Qualifying Totals</b>				6,854,773.300	6,847,375.600			

First average (Total Ship/Total Shore)

+ 0.3% of first average (excl. gross errors)

Second average (Qualifying Total Ship/ Qualifying Total Shore)

+ 0.3% of second average

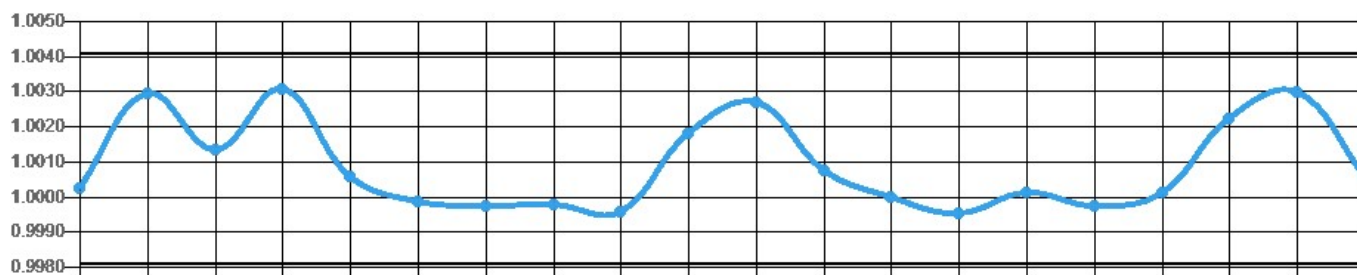
1.00108  
1.00408 - 0.3% 0.99808  
1.00108  
1.00408 - 0.3% 0.99808

### Vessel Experience Factor based on second average

**1.0011**

The above mentioned quantities are for the last 20 voyages obtained from ship record and can not be guaranteed as accurate by Saybolt. No liability can be assumed for errors resulting from improper information supplied by the vessel.

The resulting VEF has been calculated in accordance with the latest method published by the Energy Institute and the API as API MPMS 17.9 / Energy Institute HM 49, unless as otherwise noted and with the agreement of interested parties.



Voyages excluded:

- A. Gross error voyages
- B. Voyages where only vessel tank measurements were available.
- C. All voyages prior to any changes to measurement equipment, tables, vessel's structure, or other changes requiring the issuance of new capacity tables

Signed by: Ship's representative  
Name: Penni Abbott  
Rank: Chief Officer

Saybolt representative  
Dennis Kol  
Saybolt Inspector

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**Vessel JASMINE KNUTSEN**  
**Product Western Isle Crude Oil**

Outturn date: 29 Mar 2021

## 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:

### Quantity difference between:

Loading and discharge port ships figures, being	217,640	Liters 15°C	0.41	%
Loading port ships figure	52,667,219	Liters 15°C		
Discharge port ships figure	52,884,859	Liters 15°C		

Furthermore, in order to protect the interest of our principals, we have to hold you fully responsible for all costs and consequences arising herefrom. We reserve the right to revert to this matter at a later date.

Signed by: Ship's representative  
Name: Penni Abbott  
Rank: Chief Officer

Shore representative

Saybolt representative  
Dennis Kol  
Saybolt Inspector

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**Product Western Isle Crude Oil**

Outturn date: 29 Mar 2021

## 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 loadport samples available due to offshore loading.**

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: Penni Abbott  
Rank: *Chief Officer*

Shore representative  
  
*Loading Master*

Saybolt representative  
Dennis Kol  
*Saybolt Inspector*

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**Product Western Isle Crude Oil**

Outturn date: 29 Mar 2021

## 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:

<b>Vessel arrival figure</b>	:	<b>52,884,859</b>	<b>TCV Ltrs</b>
<b>ROB</b>	:	<b>0</b>	
<b>Vessel discharged</b>	:	<b>52,884,859</b>	<b>TCV Ltrs</b>
<b>Provisional Outturn</b>	:	<b>52,693,344</b>	<b>TCV Ltrs</b>
<b>Difference in volume</b>	:	<b>-191,515</b>	<b>TCV Ltrs</b>
<b>Difference in percentage</b>	:	<b>-0.36</b>	

<b>VEF Adjusted discharge</b>	:	<b>52,821,473</b>	<b>TCV Ltrs</b>
<b>VEF Applied</b>	:	<b>1.0012</b>	
<b>Provisional Outturn</b>	:	<b>52,693,344</b>	<b>TCV Ltrs</b>
<b>Difference in volume</b>	:	<b>-128,129</b>	<b>TCV Ltrs</b>
<b>Difference in percentage</b>	:	<b>-0.24</b>	

<b>Bill of Lading</b>	:	<b>52,952,739</b>	<b>TCV Ltrs</b>
<b>Provisional Outturn</b>	:	<b>52,693,344</b>	<b>TCV Ltrs</b>
<b>Difference in volume</b>	:	<b>-259,395</b>	<b>TCV Ltrs</b>
<b>Difference in percentage</b>	:	<b>0.49</b>	

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: Penni Abbott  
Rank: Chief Officer

Shore representative  
Loading Master

Saybolt representative  
E. Ackermans  
Saybolt Inspector

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**Vessel JASMINE KNUTSEN**  
**Product Western Isle Crude Oil**

Outturn date: 29 Mar 2021

**Bunker Report MGO**

**Main engine type:**

Daily consumption	at sea, speed	MT	60	Last port:	Western Isles
	in port (loading):	MT	15	Departure date:	26 Mar 2021
	in port (discharge):	MT	40	Departure MGO MT:	
	at anchor:	MT	10		

**Arrival bunkers**

Date and time of measurements	28 Mar 2021 04:00	Draft Forward	m	10.20
Gauges are corrected by trim	No	Draft Aft	m	10.20
Laboratory analysis carried out?	No	Trim:	m	nil

Tank	Ullage cm	% LEL	Observed Liters	Temp. °C	VCF 54B	GSV liters 15°C	Dens 15°C	Metric Tons Vac
1 Storage tank P	1,660		2,700	22.0	0.99436	2,685	0.8711	2.339
1 Storage tank S	347		1,049,900	23.0	0.99361	1,043,191	0.8775	915.400
2 Storage tank P	1,550		600	40.0	0.98007	588	0.8813	0.518
2 Storage tank S	360		359,400	18.0	0.99761	358,541	0.8775	314.620
Service Tank S	656		108,800	24.0	0.99274	108,010	0.8711	94.088
Settling tank S	714		71,600	24.0	0.99274	71,080	0.8711	61.918
Gen Service tank S	638		21,700	24.0	0.99274	21,542	0.8711	18.765
Overflow tank	20		2,500	20.0	0.99597	2,490	0.8711	2.169
DO Stor tank S	124		190,200	15.0	1.00000	190,200	0.8296	157.790
DO Serv.tank S R			34,000	16.0	0.99914	33,971	0.8296	28.182

**Departure Bunkers**

Date and time of measurement	29 Mar 2021 20:30	Draft Forward	m	7.30
Gauges are corrected by trim?	Yes	Draft Aft	m	9.30
Laboratory analysis carried out?	No	Trim	m	2.00

Tank	Ullage cm	% LEL	Observed Liters	Temp. °C	VCF 54B	GSV liters 15°C	Dens 15°C	Metric Tons Vac
1 Storage tank P	1,660		2,700	23.0	0.99355	2,683	0.8711	2.337
1 Storage tank S	347		1,049,900	23.0	0.99361	1,043,191	0.8775	915.400
2 Storage tank P	1,550		600	38.0	0.98168	589	0.8813	0.519
2 Storage tank S	384		339,200	18.0	0.99764	338,399	0.8875	300.329
Service Tank S	656		108,800	23.0	0.99355	108,098	0.8711	94.164
Settling tank S	740		66,300	22.0	0.99436	65,926	0.8711	57.428
Gen Service tank S	638		21,700	22.0	0.99436	21,578	0.8711	18.797
Overflow tank	20		2,500	20.0	0.99597	2,490	0.8711	2.169
DO Stor tank S	164		190,200	15.0	1.00000	190,200	0.8296	157.790
DO Serv.tank S R			34,000	15.0	1.00000	34,000	0.8296	28.206

Totals								
		Arrival	Departure	Difference	Bunkers Loaded this port			
GSV liters 15°C		1,832,298	1,807,154	25,144	GSV liters 15°C			
Metric Tons Vac		1,595.789	1,577.139	18.650	Metric Tons Vac MGO			
Dens 15°C		0.8709	0.8727		Dens 15°C			

Signed by: Ship's representative  
Name: Penni Abbott  
Rank: Chief Officer

Saybolt representative

Saybolt Inspector

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## Idle Cargo Tank Report

Tank / Compartment	Before		After	
	Cargo type	Volume ( Liters )	Cargo type	Volume ( Liters )
P2	EMPTY	NIL	EMPTY	NIL
S2	EMPTY	NIL	EMPTY	NIL
P4	EMPTY	NIL	EMPTY	NIL
S4	EMPTY	NIL	EMPTY	NIL
P6	EMPTY	NIL	EMPTY	NIL
S6	EMPTY	NIL	EMPTY	NIL
PSL	EMPTY	NIL	EMPTY	NIL
SSL	OIL/WATER	58500	OIL/WATER	58500

Tanks used by ship for previous ballast voyage:

Signed by: Ship's representative  
Name: Penni Abbott  
Rank: Chief Officer

Saybolt representative  
Dennis Kol  
Saybolt Inspector

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## Line Displacement Report

### Mineral

On your request a line displacement was carried out before discharge 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 App. 1100 cu m

Shore tank(s) used	901	
Tanks Dens.15°C Vac	0.8623	0.8623
Shore line(s) used	Crude	
Shore line Dens.15°C Vac	0.8623	
Ship tank(s) used	P/S 3	
Ships Dens.15°C Vac	0.8623	

### Shore Line Displacement Comparison

		Observed Volume Liters	Temperature °C	Standard Volume Liters
<b>Shore</b>				
A	Shore tank 901 quantity before	20,584,059	6.8	20,723,207
B	Shore tank 901 quantity after	21,686,726	6.8	21,833,328
C	Shore tank difference (B-A)	1,102,667		1,110,121
D	Shore tank quantity before	0		
E	Shore tank quantity after			
F	Shore tank difference (E-D)	0		
G	Total shore difference (C+F)	1,102,667		1,110,121
<b>Vessel</b>				
K	Ship tanks quantity before	19,141,000	23.9	18,999,931
L	Ship tanks quantity after	18,002,990	23.9	17,870,308
M	Ships difference (K-L)	1,138,010		1,129,623
N	Ship line quantity	43,100		42,782
O	Difference including Ship line (M-N)	1,094,910		1,086,841
<b>Totals</b>				
	Difference Ship vs Shore (O-G)	Δ Quantity	Δ %	
	Observed Volume Liters	7,757	0.70	
	Standard Volume Liters	23,280	2.10	

Signed by: Ship's representative  
Name: Penni Abbott  
Rank: Chief Officer

Shore representative  
Loading Master

Saybolt representative  
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## Inline Sampler and Performance Report

### Sampler ID

#### General sampler data

Sampler mode of Operation	Flow proportional
Factor Control Chart Available	Yes
Calibration Date	24 Apr 2018
Calibrated by	Kalibra
Steam condition (Portable installations)	n.a.
AILS source data from installation	n.a.

#### Sampler and Operation times

Date and Time sampler begins operation	29 Mar 2021 06:53
Intermittent outages	Day(s) HH:mm 0
Date and Time sampler stops Operation	29 Mar 2021 20:33
X Total Sampler Time	HH:mm 13:40
Date and Time Parcel started	29 Mar 2021 06:53
Time parcel stopped in between	HH:mm
Date and Time Parcel completed	29 Mar 2021 20:30
Y Total Parcel time	HH:mm 13:37

#### Sampler Prior to Operation results

PVe	Expected parcel Volume	m3	53000
b	Expected Extractor Grab Size	ml	1.04
S	Sample Receiver Capacity	ml	13000
SVe	Expected Sample Volume**	(S * 0.80)	ml 10,400.00
n	Number Of Sample Grabs Expected	(SVe / b)	10,000.00
B	Frequency of sampling (controller input)	(PVe / n)	m3/grab 5.30

#### Sampler Operation Data

N	Total number of grabs recorded by the controller	9621
SV	Sample Volume Collected	ml 9592
SVc	Sample Volume Calculated	((PVs / B) * b) ml 10,009.12
PVs	Parcel Volume calculated by sampler flow sensing device	m3 51008
PVco	Custody transfer of Outturn parcel volume	m3 52693

#### Sampler Performance Factors

			Factor	Qualify
GF	Grab Factor	((SV / (N * b))	1 ± 0.05	0.96 Yes
PF	Performance Factor	(SV / SVc)	1 ± 0.10	0.96 Yes
SA	Flow Sensor Accuracy	(PVco / PVs)	1 ± 0.10	1.03 Yes
SF	Sampler Time Factor	(X / Y)	1 ± 0.05	1.00 Yes

### Remarks

\*\* = Normally 80% of Sample Receiver capacity.

Signed by: Ship's representative  
Name: Penni Abbott  
Rank: Chief Officer

Saybolt representative  
  
Saybolt Inspector