

Client Ref:	Number
SGS Ref:	556987A
Execution Date(s):	26-Oct-2016 - 28-Oct-2016
Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Report Date:	28-Oct-2016

Example Company
Example Street ZIP City
Attention of : Mr. Person

DRAFT

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Summary Report - Discharge

Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil

SGS ref:	556987A
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number

		Litres	L @ 15°C	MT (vac)	MT (air)	LT (air)	bbl (us) @ 60°F	
Bill of Lading								
Density 15C kg/L	0.8596		Total:	95,271,889	81,897.881	81,793.082	80,501.04	599,546
API Gravity 60F			Gross:	95,271,889	81,897.881	81,793.082	80,501.04	599,546
S&W % Volume:	0.150		Net:	95,129,032	81,755.091	81,650.449	80,360.66	598,647
Bill of Lading Date:	14-Oct-2016		Loadport:	Loadport				

BOL Remarks: Liters@15° and Metric Tons (vac) is calculated by us.

		Litres	L @ 15°C	MT (vac)	MT (air)	LT (air)	bbl (us) @ 60°F	
Outturn								
Density 15C kg/L	0.8581		Total:	95,021,202	81,537.657	81,433.484	80,147.33	597,969
API Gravity 60F	33.31		Gross:	95,021,202	81,537.657	81,433.484	80,147.33	597,969
S&W % Volume:	0.272		Net:	94,766,843	81,283.298	81,179.405	79,897.27	596,369
Receipt Temperature °C	25.9		Outturn basis:	Received Figures (SHORE)		Outturn Calcs as per:	ASTMD1250-80 - 1, 52, 56; 54A	

		Litres	L @ 15°C	MT (vac)	MT (air)	LT (air)	bbl (us) @ 60°F	
Variances								
Values			Total:	-250,687	-360.224	-359.598	-353.71	-1,577
Outturn versus Bill of Lading:			Gross:	-250,687	-360.224	-359.598	-353.71	-1,577
			Net:	-362,189	-471.793	-471.044	-463.39	-2,278
%			Total:	-0.263	-0.440	-0.440	-0.439	-0.263
Outturn versus Bill of Lading:			Gross:	-0.263	-0.440	-0.440	-0.439	-0.263
			Net:	-0.381	-0.577	-0.577	-0.577	-0.381

Shore Tanks/meters:	24, 25	
Letters of Protest / N.O.A.D.	Yes	See Remarks, signed original(s) held on file

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Summary Report - Discharge

Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil

SGS ref:	556987A
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number

	Litres	L @ 15°C	MT (vac)	MT (air)	LT (air)	bbl (us) @ 60°F
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Ship's Measurements

OBQ Temperature °C		OBQ material before loading:	0	0	0.000	0.000	0.00	0	
Onboard Temperature °C	30.3	Total onboard after loading:	96,450,242	95,216,342	81,809.881	81,705.143	80,414.69	599,196	
		Free water loaded:	0	0	0.000	0.000	0.00	0	
Density 15C kg/L	0.8592	Gross loaded:	96,450,242	95,216,342	81,809.881	81,705.143	80,414.69	599,196	
Onboard Temperature °C	27.2	Total onboard before discharge:	96,244,700	95,268,684	81,856.445	81,751.650	80,460.46	599,526	
ROB Temperature °C		ROB material after discharge:	0	0	0.000	0.000	0.00	0	
		Total discharged:	96,244,700	95,268,684	81,856.445	81,751.650	80,460.46	599,526	
		Freewater discharged:	11,304	11,304	11.304	11.292	11.11	71	
Density 15C kg/L	0.8592	Gross discharged:	96,233,396	95,257,380	81,845.141	81,740.358	80,449.35	599,455	
		Vessel's experience factor:	0.9994	VEF Not Applied			14 Qualifying from a total of 14 Voyages		

Variances %

Ship's total loaded vB/L:	VEF applied		0.002	-0.047	-0.048	-0.047	0.002
In-transit variation:	Total:	-0.213	0.055	0.057	0.057	0.057	0.055
Total discharged v Outturn:	VEF applied		-0.321	-0.451	-0.451	-0.451	-0.321

Cargo stowage:	1P, 1S, 2P, 2S, 3P, 3S, 4P, 4S, 5P, 5S, 6P, 6S, Slop P, Slop S
Ships Calculations as per:	ASTM D1250-80 - 1, 52, 56; 54A

Samples	Yes	Number of samples for storage and/or disposal:	26	Volume:	22.0	Litre	Retention time (days):	0
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Quality	Yes	Reports enclosed and/or sent under separate cover
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Time Log

Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Time Log

Time	Date	Event
07:30	26-Oct-2016	End of sea passage
07:30	26-Oct-2016	Notice of Readiness tendered
07:30	26-Oct-2016	Pilot on board
09:18	26-Oct-2016	First line ashore
10:12	26-Oct-2016	Notice of Readiness received
10:12	26-Oct-2016	All fast jetty 2
10:18	26-Oct-2016	Key meeting commenced
10:35	26-Oct-2016	Inspector on board
10:42	26-Oct-2016	Key meeting / safety checklists completed
10:42	26-Oct-2016	Cargo survey and sampling commenced
10:48	26-Oct-2016	Discharge arms connected (3x16")
12:00	26-Oct-2016	Cargo survey and sampling completed
13:00	26-Oct-2016	Cargo calculations completed
13:30	26-Oct-2016	Awaiting Ship's readiness till
13:30	26-Oct-2016	Commenced discharge
14:12	26-Oct-2016	Suspended discharge due to (Shore) line fullness check
14:36	26-Oct-2016	Resume discharge
16:00	26-Oct-2016	Commenced ballasting
00:42	27-Oct-2016	Commenced COW operations
07:54	27-Oct-2016	Completed COW operations
08:30	27-Oct-2016	Completed ballasting
10:00	27-Oct-2016	ROB Cargo survey commenced
10:00	27-Oct-2016	Completed discharge
10:30	27-Oct-2016	ROB Cargo survey completed
10:30	27-Oct-2016	ROB Calculations Completed
11:36	27-Oct-2016	Discharge arms disconnected
11:48	27-Oct-2016	Documentation completed
13:00	27-Oct-2016	Pilot on board
13:30	27-Oct-2016	Vessel sailed

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Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

The samples used in conducting this analysis were drawn under restricted or closed conditions. Therefore, SGS cannot guarantee that these samples, and their subsequent test results, are representative of the actual cargo quality.

Sample No:	SGS	Source ID:	1-6 P/S and SI P/S
Sample Source:	Ships Tanks	Sampled By:	SGS
Sample Type:	Composite Before Discharge	Registered:	27-Oct-2016
Sampled:	26-Oct-2016	Completed:	27-Oct-2016
Analysed:	27-Oct-2016		

PROPERTY	METHOD	RESULT	UNITS	MIN	MAX
Density at 15deg C	ASTM D-5002	0.8592	kg/l	--	--
API Gravity	Calculated	33.11		--	--
Water Karl Fisher (Coul)	ASTM D-4928	0.18	Vol%	--	--
Sediments by Extraction	ASTM D-473	<0.01	Vol%	--	--
** End of Analytical Results **					

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Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

The samples used in conducting this analysis were drawn under restricted or closed conditions. Therefore, SGS cannot guarantee that these samples, and their subsequent test results, are representative of the actual cargo quality.

Sample No:	Third Party	Source ID:	Shoretank 24
Sample Source:	In Line Sampler	Sampled By:	Third Party
Sample Type:	During Discharge	Registered:	28-Oct-2016
Sampled:	28-Oct-2016	Completed:	28-Oct-2016
Analysed:	28-Oct-2016		

PROPERTY	METHOD	RESULT	UNITS	MIN	MAX
Density at 15deg C	ASTM D-5002	0.8601	kg/l	--	--
API Gravity	Calculated	32.92		--	--
Water Karl Fisher (Coul)	ASTM D-4928	0.31	vol%	--	--
Sediments by Extraction	ASTM D-473	<0.01	vol%	--	--
** End of Analytical Results **					

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Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

The samples used in conducting this analysis were drawn under restricted or closed conditions. Therefore, SGS cannot guarantee that these samples, and their subsequent test results, are representative of the actual cargo quality.

Sample No:	Third Party	Source ID:	Shoretank 25
Sample Source:	In Line Sampler	Sampled By:	Third Party
Sample Type:	During Discharge	Registered:	28-Oct-2016
Sampled:	28-Oct-2016	Completed:	28-Oct-2016
Analysed:	28-Oct-2016		

PROPERTY	METHOD	RESULT	UNITS	MIN	MAX
Density at 15deg C	ASTM D-5002	0.8578	kg/l	--	--
API Gravity	Calculated	33.38		--	--
Water Karl Fisher (Coul)	ASTM D-4928	0.26	vol%	--	--
Sediments by Extraction	ASTM D-473	<0.01	vol%	--	--
** End of Analytical Results **					

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To:	Master
Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Our inspector observed the following points which could be detrimental to correct quantity/quality ascertainment or where further investigation may be required.

Ship/Shore Comparison at Loading	L @ 15°C	VEF Applied 0.9994
Total loaded	95,216,342	95,273,506
Total delivered (Bill of Lading)	95,271,889	95,271,889
Difference	-55,547	1,617
Difference %	-0.058	0.002

In-Transit Variation	L @ 15°C
Total onboard after loading	95,216,342
Total onboard before discharge	95,268,684
Difference	52,342
Difference %	0.055

Ship/Shore Comparison at Discharge (BOL)	L @ 15°C	VEF Applied 0.9994
Total loaded	95,268,684	95,325,880
Total delivered (Bill of Lading)	95,271,889	95,271,889
Difference	-3,205	53,991
Difference %	-0.003	0.057

Ship/Shore Comparison at Discharge	L @ 15°C	VEF Applied 0.9994
Total discharged	95,268,684	95,325,880
Total received (Outturn)	95,021,202	95,021,202
Difference	-247,482	-304,678
Difference %	-0.260	-0.321

Shore/Shore Comparison	L @ 15°C
Total delivered (Bill of Lading)	95,271,889
Total received (Outturn)	95,021,202
Difference	-250,687
Difference %	-0.263

Provisional Outturn

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To:	Terminal Representative
Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Our inspector observed the following points which could be detrimental to correct quantity/quality ascertainment or where further investigation may be required.

Ship/Shore Comparison at Loading	L @ 15°C	VEF Applied 0.9994
Total loaded	95,216,342	95,273,506
Total delivered (Bill of Lading)	95,271,889	95,271,889
Difference	-55,547	1,617
Difference %	-0.058	0.002

In-Transit Variation	L @ 15°C
Total onboard after loading	95,216,342
Total onboard before discharge	95,268,684
Difference	52,342
Difference %	0.055

Ship/Shore Comparison at Discharge (BOL)	L @ 15°C	VEF Applied 0.9994
Total loaded	95,268,684	95,325,880
Total delivered (Bill of Lading)	95,271,889	95,271,889
Difference	-3,205	53,991
Difference %	-0.003	0.057

Ship/Shore Comparison at Discharge	L @ 15°C	VEF Applied 0.9994
Total discharged	95,268,684	95,325,880
Total received (Outturn)	95,021,202	95,021,202
Difference	-247,482	-304,678
Difference %	-0.260	-0.321

Shore/Shore Comparison	L @ 15°C
Total delivered (Bill of Lading)	95,271,889
Total received (Outturn)	95,021,202
Difference	-250,687
Difference %	-0.263

Provisional Outturn

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Pipeline Reconciliation

Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Delivery									
Tank(s) Delivery	Status	Gauge (mm)	Obs Vol. Litres	Density 15C kg/L	Temp °C	VCF 54A	L @ 15°C	Obs Vol Litres Delivered	Std Vol L @ 15°C Delivered
4P	Open	12,142	4,576,200	0.8596	26.6	0.99033	4,531,948	665,600	659,164
	Close	13,247	3,910,600	0.8596	26.6	0.99033	3,872,784		
4S	Open	12,197	4,536,500	0.8596	26.6	0.99033	4,492,632	680,000	673,424
	Close	13,327	3,856,500	0.8596	26.6	0.99033	3,819,208		
Ship's Line	Open	0	0	0.8596	0.0	1.01240	0	-40,000	-40,000
	Close	0	40,000	0.8596	15.0	1.00000	40,000		

Receipt									
Tank(s) Receipt	Status	Gauge (mm)	Obs Vol. Litres	Density 15C kg/L	Temp °C	VCF 54A	L @ 15°C	Obs Vol Litres Receipt	Std Vol L @ 15°C Receipt
34	Open	18,738	103,113,900	0.8596	15.0	1.00000	103,113,900	1,301,000	1,301,000
	Close	18,973	104,414,900	0.8596	15.0	1.00000	104,414,900		

Summary - Observed Volume		
	Litres	Variance
Delivered	1,305,600	-4,600
Received	1,301,000	-0.354%

Summary - Standard Volume		
	L @ 15°C	Variance
Delivered	1,292,588	8,412
Received	1,301,000	0.647%

Remarks :

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Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Tank:	24	Open		Close	
Time & Date		00:00	26-Oct-2016	00:00	28-Oct-2016
Ref. Height & Units:		24,227 mm			
Measured Height		24,240		24,164	
Gauge Sounding mm		8,133		10,330	
ATG mm:		8,132 *		10,325 *	
TOV: Litres		44,562,602		56,665,436	
FW: Sounding mm		0		0	
Free Water: Litres		0		0	
Temperature: °C		20.9		21.8	
ATG Temperature: °C		20.9 *		21.7 *	
Density 15C kg/L		0.8935		0.8864	
GOV: Litres		44,562,602		56,665,436	
VCF		54A		54A	
CTPL		0.99546		0.99476	
GSV: L @ 15°C		44,360,288		56,368,509	
WCF: D1250-80		0.0008935		0.0008864	
GSW: MT (vac)		39,635.917		49,965.046	
TOV: Received		12,102,834		Litres	
GOV: Received		12,102,834		Litres	
GSV: Received		12,008,221		L @ 15°C	
GSW: Received		10,329.129		MT (vac)	

Tank:	25	Open		Close	
Time & Date		00:00	26-Oct-2016	00:00	28-Oct-2016
Ref. Height & Units:		24,162 mm			
Measured Height		24,051		24,051	
Gauge Sounding mm		5,585		20,745	
ATG mm:		5,583 *		20,748 *	
TOV: Litres		30,581,457		114,397,692	
FW: Sounding mm		0		0	
Free Water: Litres		0		0	
Temperature: °C		21.1		24.7	
ATG Temperature: °C		20.8 *		25.0 *	
Density 15C kg/L		0.8742		0.8622	
GOV: Litres		30,581,457		114,397,692	
VCF		54A		54A	
CTPL		0.99533		± 0.99173	
GSV: L @ 15°C		30,438,642		113,451,623	
WCF: D1250-80		0.0008742		0.0008622	
GSW: MT (vac)		26,609.461		97,817.989	
TOV: Received		83,816,235		Litres	
GOV: Received		83,816,235		Litres	
GSV: Received		83,012,981		L @ 15°C	
GSW: Received		71,208.528		MT (vac)	

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Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Tank: 24

Received	Litres	L @ 15°C	MT (vac)	MT (air)	LT (air)	bbl (us) @ 60°F
Total:	12,102,834	12,008,221	10,329.129	10,316.263	10,153.33	75,568
Free Water:	0	0	0.000	0.000	0.00	0
Gross:	12,102,834	12,008,221	10,329.129	10,316.263	10,153.33	75,568
S&W:	36,309	36,025	36.025	35.985	35.42	227
Net:	12,066,525	11,972,196	10,293.104	10,280.278	10,117.91	75,341

Cargo Quality	In-line Autosampler	Receipt Density 15C kg/L	0.8602
Suspended S&W	In-line Autosampler	Receipt Temp °C	25.1
S&W % Volume	0.300	Receipt API	32.91
S&W Density 15C kg/L	1.0000		
FW Density 15C kg/L	1.0000		

Tank: 25

Received	Litres	L @ 15°C	MT (vac)	MT (air)	LT (air)	bbl (us) @ 60°F
Total:	83,816,235	83,012,981	71,208.528	71,117.221	69,994.00	522,401
Free Water:	0	0	0.000	0.000	0.00	0
Gross:	83,816,235	83,012,981	71,208.528	71,117.221	69,994.00	522,401
S&W:	224,628	222,475	222.475	222.230	218.72	1,399
Net:	83,591,607	82,790,506	70,986.053	70,894.991	69,775.28	521,002

Cargo Quality	In-line Autosampler	Receipt Density 15C kg/L	0.8578
Suspended S&W	In-line Autosampler	Receipt Temp °C	26.0
S&W % Volume	0.268	Receipt API	33.37
S&W Density 15C kg/L	1.0000		
FW Density 15C kg/L	1.0000		

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Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Total Cargo: Recieved	Litres	L @ 15°C	MT (vac)	MT (air)	LT (air)	bbl (us) @ 60°F
Total:	95,919,069	95,021,202	81,537.657	81,433.484	80,147.33	597,969
Free Water:	0	0	0.000	0.000	0.00	0
Gross:	95,919,069	95,021,202	81,537.657	81,433.484	80,147.33	597,969
S&W:	260,937	258,500	258.500	258.215	254.14	1,626
Net:	95,658,132	94,762,702	81,279.157	81,175.269	79,893.19	596,343

Cargo Quality	In-line Autosampler	Receipt Density 15C kg/L	0.8581
Suspended S&W	In-line Autosampler	Receipt Temp °C	25.9
S&W % Volume	0.272		
S&W Density 15C kg/L	1.0000	Receipt API	33.31
FW Density 15C kg/L	1.0000		

Outturn Figures	Litres	L @ 15°C	MT (vac)	MT (air)	LT (air)	bbl (us) @ 60°F
Total:		95,021,202	81,537.657	81,433.484	80,147.33	597,969
Gross:		95,021,202	81,537.657	81,433.484	80,147.33	597,969
Net:		94,766,843	81,283.298	81,179.405	79,897.27	596,369

Tables used for cargo calculations: ASTM D1250-80 - 1, 52, 56; 54A

Remarks :
tedjevandenberg

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On Board Quantity (OBQ)

Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Draft, Fwd:	6.00 Metres	Draft, Aft:	8.50 Metres	Trim:	2.50 Metres	List:	
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Tank Name	Sounding - mm	TOV (Litres)	Non-Liquid (Sounding - mm)	Non-Liquid (Litres)	FreeWater (Sounding - mm)	FreeWater (Litres)	Liquid (Litres)	Temp °C	VCF 54A	Density 15C kg/L
										0.8596
1P	Nil	0			Nil	0	0			
1S	Nil	0			Nil	0	0			
2P	Nil	0			Nil	0	0			
2S	Nil	0			Nil	0	0			
3P	Nil	0			Nil	0	0			
3S	Nil	0			Nil	0	0			
4P	Nil	0			Nil	0	0			
4S	Nil	0			Nil	0	0			
5P	Nil	0			Nil	0	0			
5S	Nil	0			Nil	0	0			
6P	Nil	0			Nil	0	0			
6S	Nil	0			Nil	0	0			
Slop P	Nil	0			Nil	0	0			
Slop S	Nil	0			Nil	0	0			
Totals:		0				0	0			

Weather / Sea State	
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This document is only valid in its entirety and your attention is drawn to the Terms and Conditions on Page 1 of this report

Ullage Report After Loading

Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Draft, Fwd:	12.30 Metres	Draft, Aft:	12.30 Metres	Trim:	0.00 Metres	List:	Nil
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Tank Name	Ullage (mm)	Ullage Corrected (mm)	TOV (Litres)	Freewater Sounding (mm)	Freewater (Litres)	GOV (Litres)	Temp °C	Density 15C kg/L	
								VCF 54A	GSV L @ 15°C
1P	3,790		6,516,017			6,516,017	30.3	0.98722	6,432,742
1S	4,120		6,427,727			6,427,727	30.3	0.98722	6,345,581
2P	4,090		9,110,812			9,110,812	30.3	0.98722	8,994,376
2S	3,980		9,166,642			9,166,642	30.3	0.98722	9,049,492
3P	4,230		9,341,122			9,341,122	30.3	0.98722	9,221,742
3S	4,470		9,190,042			9,190,042	30.2	0.98731	9,073,420
4P	12,100		4,601,491			4,601,491	30.1	0.98739	4,543,466
4S	12,150		4,564,792			4,564,792	30.2	0.98731	4,506,865
5P	4,040		9,435,761			9,435,761	30.4	0.98714	9,314,417
5S	3,950		9,480,182			9,480,182	30.4	0.98714	9,358,267
6P	4,000		8,679,983			8,679,983	30.4	0.98714	8,568,358
6S	4,030		8,652,683			8,652,683	30.4	0.98714	8,541,409
Slop P	8,910		667,359			667,359	30.8	0.98680	658,550
Slop S	9,490		615,629			615,629	30.5	0.98705	607,657
Totals:			96,450,242			96,450,242	30.3		95,216,342

Weather / Sea State	Unknown
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This document is only valid in its entirety and your attention is drawn to the Terms and Conditions on Page 1 of this report

Vessel's Quantity at Loading

Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil

SGS ref:	556987A
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number

		Litres	L @ 15°C	MT (vac)	MT (air)	LT (air)	bbl (us) @ 60°F
Ship's Figures at Loading							
Cargo Density 15C kg/L	0.8592	Total Onboard:	96,450,242	95,216,342	81,809.881	81,705.143	80,414.69
Receipt Density 15C kg/L	0.8592	Free Water:	0	0	0.000	0.000	0.00
FW Density 15C kg/L	1.0000	Gross Onboard:	96,450,242	95,216,342	81,809.881	81,705.143	80,414.69
S&W Density 15C kg/L	1.0000	Gross OBQ	0	0	0.000	0.000	0.00
		Gross Loaded:	96,450,242	95,216,342	81,809.881	81,705.143	80,414.69
Cargo Temp °C	30.3	S&W % vol:	0.150	Suspended water: Ship's Composite or Advised (2)			
Receipt Temp °C	30.3	S&W Onboard:	144,675	142,825	142.825	142.668	140.41
OBQ Density 15C kg/L		Net Onboard:	96,305,567	95,073,517	81,667.056	81,562.475	80,274.28
OBQ		Net OBQ	0	0	0.000	0.000	0.00
OBQ °C		Net Loaded:	96,305,567	95,073,517	81,667.056	81,562.475	80,274.28
Sample Source Cargo Density :		OBQ Freewater:	0	0	0.000	0.000	0.00
Ship's Tanks Composite (Advised)		FW Loaded:	0	0	0.000	0.000	0.00
Sample Source - Suspended S&W :		Total Loaded:	96,450,242	95,216,342	81,809.881	81,705.143	80,414.69
Ship's Tanks Composite (Advised)							

Tables used for cargo calcs:	ASTM D1250-80 - 1, 52, 56; 54A
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Ullage Report Before Discharge

Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Draft, Fwd:	12.25 Metres	Draft, Aft:	12.25 Metres	Trim:	0.00 Metres	List:	
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Tank Name	Ullage (mm)	Ullage Corrected (mm)	TOV (Litres)	Freewater Sounding (mm)	Freewater (Litres)	GOV (Litres)	Temp °C	Density 15C kg/L	
								VCF 54A	GSV L @ 15°C
1P	3,840	3,840	6,494,840	Nil	0	6,494,840	26.6	0.99032	6,431,970
1S	4,170	4,170	6,406,590	Traces	0	6,406,590	26.6	0.99032	6,344,574
2P	4,110	4,110	9,099,170	Nil	0	9,099,170	27.2	0.98982	9,006,540
2S	4,000	4,000	9,155,000	Nil	0	9,155,000	27.1	0.98990	9,062,535
3P	4,270	4,270	9,317,060	Nil	0	9,317,060	27.1	0.98990	9,222,958
3S	4,490	4,490	9,178,020	20	11,304	9,166,716	27.1	0.98990	9,074,132
4P	12,130	12,130	4,583,440	Nil	0	4,583,440	26.4	0.99049	4,539,851
4S	12,170	12,170	4,552,760	Traces	0	4,552,760	26.3	0.99057	4,509,827
5P	4,080	4,080	9,411,660	Nil	0	9,411,660	27.4	0.98965	9,314,249
5S	3,980	3,980	9,462,140	Nil	0	9,462,140	27.2	0.98982	9,365,815
6P	4,030	4,030	8,662,000	Nil	0	8,662,000	27.6	0.98948	8,570,876
6S	4,050	4,050	8,640,700	Traces	0	8,640,700	27.8	0.98932	8,548,417
Slop P	8,910	8,910	667,360	Traces	0	667,360	29.8	0.98764	659,111
Slop S	9,510	9,510	613,960	Traces	0	613,960	29.5	0.98789	606,525
Totals:			96,244,700		11,304	96,233,396	27.2		95,257,380

Weather / Sea State	Calm
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Remaining On Board (ROB)

Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Draft, Fwd:	6.00 Metres	Draft, Aft:	8.50 Metres	Trim:	2.50 Metres	List:	0
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										Density 15C kg/L	0.8596
Tank Name	Sounding - mm	TOV (Litres)	Non-Liquid (Sounding - mm)	Non-Liquid (Litres)	FreeWater (Sounding - mm)	FreeWater (Litres)	Liquid (Litres)	Temp °C	VCF 54A	GSV L @ 15°C	
1P	Nil	0			Nil		0				
1S	Nil	0			Nil		0				
2P	Nil	0			Nil		0				
2S	Nil	0			Nil		0				
3P	Nil	0			Nil		0				
3S	Nil	0			Nil		0				
4P	Nil	0			Nil		0				
4S	Nil	0			Nil		0				
5P	Nil	0			Nil		0				
5S	Nil	0			Nil		0				
6P	Nil	0			Nil		0				
6S	Nil	0			Nil		0				
Slop P	Nil	0			Nil		0				
Slop S	Nil	0			Nil		0				
Totals:		0					0				

Weather / Sea State	Calm
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Remarks :

Irregular traces were observed. No measurable ROB found to be detected.

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Vessel's Quantity at Discharge

Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil

SGS ref:	556987A
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number

		Litres	L @ 15°C	MT (vac)	MT (air)	LT (air)	bbl (us) @ 60°F	
Ship's Figures at Discharge								
Cargo Density 15C kg/L	0.8592	Total Onboard:	96,244,700	95,268,684	81,856.445	81,751.650	80,460.46	599,526
Delivered Density 15C kg/L	0.8592	Free Water:	11,304	11,304	11.304	11.292	11.11	71
FW Density 15C kg/L	1.0000	Gross Onboard:	96,233,396	95,257,380	81,845.141	81,740.358	80,449.35	599,455
S&W Density 15C kg/L	1.0000	Gross ROB	0	0	0.000	0.000	0.00	0
		Gross Discharged:	96,233,396	95,257,380	81,845.141	81,740.358	80,449.35	599,455
Cargo Temp °C	27.2	S&W % vol:	0.180	Suspended water: Ship's Composite or Advised (2)				
Delivered Temp °C	27.2	S&W Onboard:	173,220	171,463	171.463	171.274	168.57	1,078
ROB Density 15C kg/L		Net Onboard:	96,060,176	95,085,917	81,673.678	81,569.084	80,280.78	598,377
ROB		Net ROB	0	0	0.000	0.000	0.00	0
ROB °C		Net Discharged:	96,060,176	95,085,917	81,673.678	81,569.084	80,280.78	598,377
Sample Source Cargo Density :		ROB Freewater:	0	0	0.000	0.000	0.00	0
Ship's Tanks Composite		FW Discharged:	11,304	11,304	11.304	11.292	11.11	71
Sample Source - Suspended S&W :		Total Discharged:	96,244,700	95,268,684	81,856.445	81,751.650	80,460.46	599,526
Ship's Tanks Composite								

Tables used for cargo calcs:	ASTM D1250-80 - 1, 52, 56; 54A
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 Trade register: 24226722

Member of SGS Group (SGS SA) www.sgs.com

Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

VEFL Calculated as per API Chapter 17.9				Figures expressed as		bbl (us) @ 60°F		
Date	Voy. No.	Grade(s)	Port(s)	VCF Table	Ship's Figure	Shore Figure	Ship / Shore Ratio	Qualifying
30-Sep-2016		AL-JURF	FARWAH FPSO, LYBIA	6A	614,678,683	615,323,000	0.99895	✓
08-Sep-2016		CPC	NOVOROSSIYSK	6A	739,802,015	740,025,000	0.99970	✓
16-Aug-2016		CPC	NOVOROSSIYSK	6A	671,437,800	672,061,100	0.99907	✓
02-Aug-2016		ARABIANL/EL	SIDI KERIR	6A	629,111,800	629,292,300	0.99971	✓
10-Jul-2016		CPC	NOVOROSSIYSK	6A	675,825,560	675,495,000	1.00049	✓
10-Jun-2016		AZERI	CEYHAN	6A	660,963,432	662,212,390	0.99811	✓
28-May-2016		CPC	NOVOROSSIYSK	6A	747,446,189	747,920,000	0.99937	✓
07-May-2016		AZERI	CEYHAN	6A	682,029,262	683,388,335	0.99801	✓
30-Apr-2016		AZERI	CEYHAN	6A	659,924,583	660,733,540	0.99878	✓
17-Apr-2016		KUWAIT EXPORT	SIDI KERIR	6A	558,233,290	558,045,430	1.00034	✓
21-Mar-2016		CPC	NOVOROSSIYSK	6A	742,723,710	743,013,000	0.99961	✓
27-Feb-2016		AZERI	CEYHAN	6A	630,258,268	630,583,772	0.99948	✓
05-Feb-2016		LOKELE	LOKELE	6A	621,306,060	620,412,000	1.00144	✓
28-Dec-2015		ETAME	ETAME	6A	614,740,508	615,174,000	0.99930	✓
01-Oct-2015		GASOIL	ULSAN	6B	734,796,564	734,524,790	1.00037	B

	No.	Ship's Figures	Shore Figures
Total Voyages:	14	9,248,481,160	9,253,678,867
Total excluding gross error > 2%:	14	9,248,481,160	9,253,678,867
Total qualifying voyages:	14	9,248,481,160	9,253,678,867

	Average	-0.3%	+0.3%
First average (total ship/shore excl. gross error)	0.99944	0.99644	1.00244
Second average (total qualifying ship/shore)	0.99944		
Vessel Experience Factor	0.9994		

Present Voyage L @ 15°C	Total Cargo	Total VEF applied	Shore	Difference	Percentage
Loaded/Delivered	95,216,342	95,273,506	95,271,889	1,617	0.002

Excluded Voyages:	Voyages Excluded: a) Voyages where only vessel measurements were available (i.e. vessel to vessel transfers). b) Maiden voyage for the vessel. c) Voyage following dry dock. d) Voyages prior to the vessel's last dry dock, if verified that measurement equipment, tables, or procedural changes were made affecting vessel. e) Voyages where vessel or shore figures are known to be inaccurate. f) Ship/Shore differences >0.3% of mean. g) Gross error. Ship/Shore differences >2%
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Remarks :

Data as copied from ship's records:

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Vessel's Cargo Tank Data

Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Tank Name	Load on Top?	Reference Height (m)	Measured Height (m)	Gauge Type	Gauge Position	Manual Gauge (mm)	ATG (mm)	OBQ/ROB Gauge Type	OBQ/ROB Gauge Position
1P	Y	22.601	22.601	Ullage	C	3,840	3,854	Sounding	A
1S	Y	22.738	22.738	Ullage	C	4,170	4,169	Sounding	A
2P	Y	22.514	22.514	Ullage	C	4,110	4,123	Sounding	A
2S	Y	22.514	22.514	Ullage	C	4,000	4,009	Sounding	A
3P	Y	22.517	22.517	Ullage	C	4,270	4,284	Sounding	A
3S	Y	22.520	22.520	Ullage	C	4,490	4,493	Sounding	A
4P	Y	22.518	22.518	Ullage	C	12,130	12,143	Sounding	A
4S	Y	22.514	22.514	Ullage	C	12,170	12,172	Sounding	A
5P	Y	22.517	22.517	Ullage	C	4,080	4,085	Sounding	A
5S	Y	22.515	22.515	Ullage	C	3,980	3,981	Sounding	A
6P	Y	22.560	22.560	Ullage	C	4,030	4,030	Sounding	A
6S	Y	22.559	22.559	Ullage	C	4,050	4,063	Sounding	A
Slop P	Y	22.908	22.908	Ullage	C	8,910	8,891	Sounding	A
Slop S	Y	22.870	22.870	Ullage	C	9,510	9,548	Sounding	A
Ship's Line	N			Ullage				Sounding	

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Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Loading Port	Arrived	Sailed	Discharge Port	Arrived	Sailed	
Loadport	01-Jan-0001	14-Oct-2016	OIL TERMINAL	25-Oct-2016	25-Oct-2016	
Quantity Unit	Supplier	Receiver	VCF Table Used			
bbl (us) @ 60°F			Shore Load	Shore Discharge	Vessel Load	Vessel Discharge
			54A	54A	54A	54A

Description	Density 15C kg/L	API Gravity 60F	TCV	FW	GSV	S&W	NSV	Calc. Ref.
1. Comparison of Shore Quantities in Custody Transfer								
Bill of Lading	1	0.8596	599,546	0	599,546	899	598,647	(1)
Outturn	2	0.8581	597,969	0	597,969	1,600	596,369	(2)
Difference	3		-1,577	0	-1,577	701	-2,278	(3) = (2) - (1)
Diff. %	4		-0.263		-0.263		-0.381	(4) = (3) / (1) * 100
Recalc B/L	5							(5) (a) Vol. Diff.

2. Vessel/Shore Quantities at Loading								
Vessel Sailing	A		599,196	0	599,196	Liquid	Non-Liquid	(A)
OBQ	B		0	0	0	0		(B)
Loaded	C		599,196	0	599,196			(C) = (A) - (B)
Difference	D		-350	0	-350			(D) = (C) - (1)or(5)
Difference %	E		-0.058		-0.058			E = (D) / (1)or(5)*100
Load Vessel Ratio	F		0.9994					F = (C) / (1)or(5)
Load VEF (VEFL)	G		0.9994					(G)
Theoretical Shore	H		599,556					H = (C) / (G)
Theoretical Shore Diff.	I		10					(I) = (H) - (1)or(5)
Theoretical Shore Diff. %	J		0.002					J = (I) / (1)or(5)*100

3. Vessel/Shore Quantities at Discharge								
Vessel Arrival	K		599,526	71	599,455	Liquid	Non-Liquid	(K)
ROB	L		0	0	0	0		(L)
Discharged	M		599,526	71	599,455			(M) = (K) - (L)
Difference	N		1,557	71	1,486			(N) = (M) - (2)
Difference %	O		0.260		0.249			O = (N) / (2) *100
Discharge Vessel Ratio	P		1.0026					P = (M) / (2)
Discharge VEF (VEFL)	Q		0.9994					Q
Theoretical Shore	R		599,886					R = (M) / (Q)
Theoretical Shore Diff.	S		-1,917					(S) = (2) - (R)
Theoretical Shore Diff. %	T		-0.321					T = (S) / (2) *100

4. Vessel's Comparison of Load & Discharge Port Quantities								
In-Transit Difference	U		330	71	259			U = (K) - (A)
In-Transit Difference %	V		0.055		0.043	Liquid	Non-Liquid	V = (U) / (A) *100
OBQ/ROB Difference	W		0	0	0	0	0	W = (B) - (L)

ADJ TCV Diff. (Quantity)	TCV Difference (3) - OBQ (B) + ROB (L)	[S&W(1) / GSV(1)] x 100	[S&W(2) / GSV(2)] x 100
	-1,577 / % -0.263	S&W Loadport Vol%: 0.150	S&W Dischargeport Vol% 0.268

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Vessel:	VESSEL
Location:	OIL TERMINAL
Grade:	Crude oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Date	Sample Source	Type	Quantity	Seal No.	Distribution
26-Oct-2016	Shore tank 25 before receipt	Running	2 x 1.0 Litre		Retention
26-Oct-2016	Shore tank 24 before receipt	Running	2 x 1.0 Litre		Retention
26-Oct-2016	Ship's tank 1-7 p/s before discharge	Running	14 x 0.5 Litre		Analysis
26-Oct-2016	Load port	Other (specify)	1 x 4.0 Litre	015367	Retention
26-Oct-2016	Load port	Other (specify)	2 x 1.0 Litre	721267	Retention
26-Oct-2016	Load port	Other (specify)	1 x 1.0 Litre	721268	Retention
26-Oct-2016	Load port	Other (specify)	1 x 1.0 Litre	721269	Retention
27-Oct-2016	Shore tank 25 after receipt	Upper	1 x 1.0 Litre		Retention
27-Oct-2016	Shore tank 25 after receipt	Middle	1 x 1.0 Litre		Retention
27-Oct-2016	Shore tank 25 after receipt	Lower	1 x 1.0 Litre		Retention

Retained samples will be held for 0 days, unless other instructions are received, after which they will be disposed of in accordance with current legal requirements.
 Number of samples for disposal: 26 Sample volume for disposal: 22.00 Litre

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Bunker Survey - Fuel Oil

Vessel:	VESSEL
Location:	OIL TERMINAL
Bunker Grade:	Fuel Oil
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Vessel History, data supplied by Chief engineer

Last Port of Call	Ceyhan
Bunkers on sailing	1,720.149 MT (vac)
Sailing Time & Date	25-Oct-2016 14:20

Average Bunker Consumption (MT (vac) / Day)

at Sea	5.5
in Port	5.5
at Anchor	5.5

Tank Name	Sub-Grade	Gauge Type	Gauge mm	GOV Litres	Draft, Fwd		Draft, Aft		MT (vac)
					Density 15C kg/L	Temp °C	12.25 m	12.25 m	
HFO 1 STB			9,010	334,000	0.9573	31.0	0.98857	330,182	316.083
HFO 2 PORT			11,140	250	0.9810	58.0	0.97009	243	0.238
HFO 2 STB			1,390	275,200	0.9564	29.0	0.98999	272,445	260.566
HFO SETTling			auto	49,500	0.9573	90.0	0.94586	46,820	44.821
HFO SERVICE			auto	47,100	0.9573	90.0	0.94586	44,550	42.648
LS 1 PORT			2,710	757,100	0.9641	42.0	0.98084	742,594	715.935
LS SETTling			auto	24,400	0.9850	48.0	0.97721	23,844	23.486
LS SERVICE			auto	25,600	0.9850	47.0	0.97790	25,034	24.658
Totals:				1,513,150				1,485,712	1,428.435

Bunkers Loaded	MT (vac)
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Bunker Survey - Diesel

Vessel:	VESSEL
Location:	OIL TERMINAL
Bunker Grade:	Diesel
Date:	26-Oct-2016 - 28-Oct-2016

Client:	Example Company
Client ref:	Number
SGS ref:	556987A

Vessel History, data supplied by Chief engineer	
Last Port of Call	Ceyhan
Bunkers on sailing	332.704 MT (vac)
Sailing Time & Date	25-Oct-2016 14:20

Average Bunker Consumption (MT (vac) / Day)	
at Sea	5.5
in Port	5.5
at Anchor	5.5

Tank Name	Sub-Grade	Gauge Type	Gauge mm	GOV Litres	Draft, Fwd	Density 15C kg/L	Temp °C	Draft, Aft	VCF 54B	GSV L @ 15°C	MT (vac)
					12.25 m			12.25 m			
MGO PORT			6,450	253,800	0.8813	25.0	0.99206	251,785		221.898	
MGO STB			auto	79,900	0.8482	28.0	0.98913	79,031		67.034	
MGO SERVICE			1	300	0.8452	25.0	0.99161	297		0.251	
Totals:				334,000				331,113		289.183	

Bunkers Loaded	MT (vac)
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This document is only valid in its entirety and your attention is drawn to the Terms and Conditions on Page 1 of this report