



Your Reference:

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Mr. Joe Stevenson, Director
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For the attention of

Report no. RU-0188-04-2017
Date of report 20-Apr-17
Vessel Seafaith II
Location Taman
Product Tengiz Crude Oil
B/Lading date 20-Apr-17

LOADED :

We have pleasure in enclosing herewith, our report for the above referenced inspection.

This report is intended for the sole use of the recipient and its purpose is to offer a summary of events and measurements associated with the caption ed Custody Transfer to / from the stated ship and during the stated period. The summary report may contain the attending surveyor's opinion which should always and only be taken as a professional opinion and not a statement of fact.

The findings of the surveyor, reported herein, are subject to the level of access and cooperation afforded to the surveyor at the time of inspection. All the details are given in good faith and are, to the best of our knowledge, accurate and reliable. However, we do not imply any guarantees for data that has been provided to us, in any form. All our inspection services are subject to our General Terms and Conditions which can be found on our website.

Procedures

Where possible, and was safe to do so, we have complied with your instructions so long as these also comply with API MPMS Chapter 17 Guidelines for Marine Inspection.

At all times our surveyors have respected any regulations and procedures that may have been in place at the Terminal and / or the ship.

Where the inspection has required our surveyor to witness analysis of the product (in a Third-Party Laboratory) we have insured the test method used was as per relevant ASTM or IP method. We cannot be held responsible for the competence of the operator, the condition of the equipment(other than checking calibration records), or any reagents used. Report distribution has been effected as follows:

To yourselves in original only together with our relevant invoice.

CC: . Attn

Should you have any query, or require any additional information, please contact Joe Stevenson by the following e-mail address: joe.stevenson@OilJar.com



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SUMMARY OF GROSS QUANTITIES

Comparison of Ship's figures and Bill of Lading

Calculation by ASTM D 1250-2004

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BOL US Bbls at 60°F / Mt vacuo by GOST 8.595-2010
Other US Bbls at 60°F in ASTM calcs by Ch. 11.5 ex Cu M

Totals of the Bills Of Lading	Tengiz Crude Oil					Total
CUBIC METRES AT 15°C (GROSS STANDARD VOLUME)						
Bill of Lading	110,585.154					110,585.154
Vessel's loaded quantity	111,487.021					111,487.021
Difference	901.867					901.867
% Difference	0.816%					0.816%
Bill of Lading	110,585.154					110,585.154
Vessel adjusted by VEF	111,142.479					111,142.479
Difference	557.325					557.325
% Difference	0.504%					0.504%
US BARRELS AT 60°C (GROSS STANDARD VOLUME)						
Bill of Lading	695,938.01					695,938.01
Vessel's loaded quantity	701,618.16					701,618.16
Difference	5,680.15					5,680.15
% Difference	0.816%					0.816%
Bill of Lading	695,938.01					695,938.01
Vessel adjusted by VEF	699,449.87					699,449.87
Difference	3,511.86					3,511.86
% Difference	0.505%					0.505%
METRIC TONS IN AIR (GROSS WEIGHT)						
Bill of Lading	87,264.935					87,264.935
Vessel's loaded quantity	87,976.638					87,976.638
Difference	711.703					711.703
% Difference	0.816%					0.816%
Bill of Lading	87,264.935					87,264.935
Vessel adjusted by VEF	87,704.753					87,704.753
Difference	439.818					439.818
% Difference	0.504%					0.504%
METRIC TONS IN VACUO (GROSS WEIGHT)						
Bill of Lading	87,384.389					87,384.389
Vessel's loaded quantity	88,097.044					88,097.044
Difference	712.655					712.655
% Difference	0.816%					0.816%
Bill of Lading	87,384.389					87,384.389
Vessel adjusted by VEF	87,824.787					87,824.787
Difference	440.398					440.398
% Difference	0.504%					0.504%

Criteria used for calculations:

Average Density at 15°C: US Bbls@60°F/CuM@15°C by Ch. 11.5	0.7902 7.964100000					BOL calculations
Average Density at 15°C: US Bbls@60°F/CuM@15°C by Ch. 11.5	0.7902 6.293272071					Shore calculations
Average Density at 15°C: US Bbls@60°F/CuM@15°C by Ch. 11.5	0.7902 6.293272071					Ship calculations based on BOL

Quantities on board the Vessel are as calculated by "OilJar Ltd". Calculation by ASTM D 1250-2004.

"OilJar Ltd" Representative: Alexander Anisimov

Report no.
Date of report
Vessel
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B/Lading date

SUMMARY OF NET QUANTITIES
Comparison of Ship's figures and Bill of Lading
Calculation by ASTM D 1250-2004

Totals of the Bills Of Lading	Tengiz Crude Oil					Total
CUBIC METRES AT 15°C (NET STANDARD VOLUME)						
Bill of Lading	110,582.942					110,582.942
Vessel's loaded quantity	111,484.791					111,484.791
Difference	901.849					901.849
% Difference	0.816%					0.816%
Bill of Lading	110,582.942					110,582.942
Vessel adjusted by VEF	111,140.256					111,140.256
Difference	557.314					557.314
% Difference	0.504%					0.504%
US BARRELS AT 60°C (NET STANDARD VOLUME)						
Bill of Lading	695,924.09					695,924.09
Vessel's loaded quantity	701,604.13					701,604.13
Difference	5,680.04					5,680.04
% Difference	0.816%					0.816%
Bill of Lading	695,924.09					695,924.09
Vessel adjusted by VEF	699,435.88					699,435.88
Difference	3,511.79					3,511.79
% Difference	0.505%					0.505%
METRIC TONS IN AIR (NET WEIGHT)						
Bill of Lading	87,260.572					87,260.572
Vessel's loaded quantity	87,972.679					87,972.679
Difference	712.107					712.107
% Difference	0.816%					0.816%
Bill of Lading	87,260.572					87,260.572
Vessel adjusted by VEF	87,700.806					87,700.806
Difference	440.234					440.234
% Difference	0.505%					0.505%
METRIC TONS IN VACUO (NET WEIGHT)						
Bill of Lading	87,380.419					87,380.419
Vessel's loaded quantity	88,093.080					88,093.080
Difference	712.661					712.661
% Difference	0.816%					0.816%
Bill of Lading	87,380.419					87,380.419
Vessel adjusted by VEF	87,820.835					87,820.835
Difference	440.416					440.416
% Difference	0.504%					0.504%

Average Criteria used for calculations:

Sediments+Water+Salts, % mass:	0.00450					BOL calculations
Sediments+Water+Salts, % vol.:	0.00200					
Sediments+Water+Salts, % mass:	0.00500					Shore calculations
Sediments+Water+Salts, % vol.:	0.00200					
Sediments+Water+Salts, % mass:	0.00450					Ship calculations based on BOL
Sediments+Water+Salts, % vol.:	0.00200					

Quantities on board the Vessel are as calculated by "OilJar Ltd". Calculation by ASTM D 1250-2004.

"OilJar Ltd" Representative: Alexander Anisimov

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SUMMARY OF GROSS AND NET QUANTITIES

Calculation of Net figures
 Calculation by ASTM D 1250-2004

Tengiz Crude Oil					
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CUBIC METRES AT 15°C						Total
<u>Bill of Lading</u>	Gross	110,585.154				110,585.154
	Sediments & Water & Chloride Salts	2.212				2.212
	Net	110,582.942				110,582.942
<u>Shore quantities</u>	Gross	110,587.970				110,587.970
	Sediments & Water & Chloride Salts	2.212				2.212
	Net	110,585.758				110,585.758
<u>Vessel's loaded quantity</u>	Gross	111,487.021				111,487.021
	Sediments & Water & Chloride Salts	2.230				2.230
	Net	111,484.791				111,484.791

US BARRELS AT 60°C						Total
<u>Bill of Lading</u>	Gross	695,938.01				695,938.01
	Sediments & Water & Chloride Salts	13.92				13.92
	Net	695,924.09				695,924.09
<u>Shore quantities</u>	Gross	695,960.08				695,960.08
	Sediments & Water & Chloride Salts	13.93				13.93
	Net	695,946.15				695,946.15
<u>Vessel's loaded quantity</u>	Gross	701,618.16				701,618.16
	Sediments & Water & Chloride Salts	14.03				14.03
	Net	701,604.13				701,604.13

METRIC TONS IN AIR						Total
<u>Bill of Lading</u>	Gross	87,264.935				87,264.935
	Sediments & Water & Chloride Salts	4.363				4.363
	Net	87,260.572				87,260.572
<u>Shore quantities</u>	Gross	87,267.565				87,267.565
	Sediments & Water & Chloride Salts	4.364				4.364
	Net	87,263.201				87,263.201
<u>Vessel's loaded quantity</u>	Gross	87,976.638				87,976.638
	Sediments & Water & Chloride Salts	3.959				3.959
	Net	87,972.679				87,972.679

METRIC TONS IN VACUO						Total
<u>Bill of Lading</u>	Gross	87,384.389				87,384.389
	Sediments & Water & Chloride Salts	3.970				3.970
	Net	87,380.419				87,380.419
<u>Shore quantities</u>	Gross	87,387.000				87,387.000
	Sediments & Water & Chloride Salts	4.370				4.370
	Net	87,382.630				87,382.630
<u>Vessel's loaded quantity</u>	Gross	88,097.044				88,097.044
	Sediments & Water & Chloride Salts	3.964				3.964
	Net	88,093.080				88,093.080

Criteria used for calculations:

Average Density at 15°C: (BOL)	0.7902				
Average Sediments+Water+Salts, % mass:	0.00450				
Average Sediments+Water+Salts, % vol.:	0.00200				
US Bbls@60°F/Mt vac by GOST 8.595-2010	7.964100000				
Average Density at 15°C: (Shore)	0.7902				
Average Sediments+Water+Salts, % mass:	0.00500				
Average Sediments+Water+Salts, % vol.:	0.00200				
US Bbls@60°F/CuM@15°C by Ch. 11.5]	6.293272071				
Average Density at 15°C: (Ship)	0.7902				
Average Sediments+Water+Salts, % mass:	0.00450				
Average Sediments+Water+Salts, % vol.:	0.00200				
US Bbls@60°F/CuM@15°C by Ch. 11.5]	6.293272071				
Remarks:					
based on BOL					

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SUMMARY OF GROSS QUANTITIES
Comparison of Ship's figures and Bill of Lading
GOST calculation by Mi 2153-91

Gross Quantities

Totals of the Bills Of Lading	Tengiz Crude Oil					Total
CUBIC METRES AT 20°C (GROSS STANDARD VOLUME)						
Bill of Lading	111,133.650					111,133.650
Vessel's loaded quantity	112,035.162					112,035.162
Difference	901.512					901.512
% Difference	0.811%					0.811%
Bill of Lading	111,133.650					111,133.650
Vessel adjusted by VEF	111,688.926					111,688.926
Difference	555.276					555.276
% Difference	0.500%					0.500%
CUBIC METRES AT 15°C (GROSS STANDARD VOLUME)						
Bill of Lading	110,585.154					110,585.154
Vessel's loaded quantity	111,482.215					111,482.215
Difference	897.061					897.061
% Difference	0.811%					0.811%
Bill of Lading	110,585.154					110,585.154
Vessel adjusted by VEF	111,137.688					111,137.688
Difference	552.534					552.534
% Difference	0.500%					0.500%
US BARRELS AT 60°C (GROSS STANDARD VOLUME)						
Bill of Lading	695,938.01					695,938.01
Vessel's loaded quantity	701,583.43					701,583.43
Difference	5,645.42					5,645.42
% Difference	0.811%					0.811%
Bill of Lading	695,938.01					695,938.01
Vessel adjusted by VEF	699,415.24					699,415.24
Difference	3,477.23					3,477.23
% Difference	0.500%					0.500%
METRIC TONS IN AIR (GROSS WEIGHT)						
Bill of Lading	87,264.935					87,264.935
Vessel's loaded quantity	87,972.559					87,972.559
Difference	707.624					707.624
% Difference	0.811%					0.811%
Bill of Lading	87,264.935					87,264.935
Vessel adjusted by VEF	87,700.687					87,700.687
Difference	435.752					435.752
% Difference	0.499%					0.499%
METRIC TONS IN VACUO (GROSS WEIGHT)						
Bill of Lading	87,384.389					87,384.389
Vessel's loaded quantity	88,093.247					88,093.247
Difference	708.858					708.858
% Difference	0.811%					0.811%
Bill of Lading	87,384.389					87,384.389
Vessel adjusted by VEF	87,821.002					87,821.002
Difference	436.613					436.613
% Difference	0.500%					0.500%

Quantities on board the Vessel are as calculated by "OilJar Ltd". GOST calculation by Mi 2153-91.

Conversion factor from Metric tons in vacuo to US Bbls at 60°F by GOST 8.595-2010

"OilJar Ltd" Representative: Alexander Anisimov

Report no.
Date of report
Vessel
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B/Lading date

SUMMARY OF NET QUANTITIES
Comparison of Ship's figures and Bill of Lading
GOST calculation by Mi 2153-91

Net Quantities

Totals of the Bills Of Lading	Tengiz Crude Oil					Total
CUBIC METRES AT 20°C (NET STANDARD VOLUME)						
Bill of Lading	111,131.427					111,131.427
Vessel's loaded quantity	112,032.921					112,032.921
Difference	901.494					901.494
% Difference	0.811%					0.811%
Bill of Lading	111,131.427					111,131.427
Vessel adjusted by VEF	111,686.692					111,686.692
Difference	555.265					555.265
% Difference	0.500%					0.500%
CUBIC METRES AT 15°C (NET STANDARD VOLUME)						
Bill of Lading	110,582.942					110,582.942
Vessel's loaded quantity	111,479.985					111,479.985
Difference	897.043					897.043
% Difference	0.811%					0.811%
Bill of Lading	110,582.942					110,582.942
Vessel adjusted by VEF	111,135.465					111,135.465
Difference	552.523					552.523
% Difference	0.500%					0.500%
US BARRELS AT 60°C (NET STANDARD VOLUME)						
Bill of Lading	695,924.09					695,924.09
Vessel's loaded quantity	701,569.40					701,569.40
Difference	5,645.31					5,645.31
% Difference	0.811%					0.811%
Bill of Lading	695,924.09					695,924.09
Vessel adjusted by VEF	699,401.25					699,401.25
Difference	3,477.16					3,477.16
% Difference	0.500%					0.500%
METRIC TONS IN AIR (NET WEIGHT)						
Bill of Lading	87,260.572					87,260.572
Vessel's loaded quantity	87,968.600					87,968.600
Difference	708.028					708.028
% Difference	0.811%					0.811%
Bill of Lading	87,260.572					87,260.572
Vessel adjusted by VEF	87,696.740					87,696.740
Difference	436.168					436.168
% Difference	0.500%					0.500%
METRIC TONS IN VACUO (NET WEIGHT)						
Bill of Lading	87,380.419					87,380.419
Vessel's loaded quantity	88,089.283					88,089.283
Difference	708.864					708.864
% Difference	0.811%					0.811%
Bill of Lading	87,380.419					87,380.419
Vessel adjusted by VEF	87,817.050					87,817.050
Difference	436.631					436.631
% Difference	0.500%					0.500%

Quantities on board the Vessel are as calculated by "OilJar Ltd". GOST calculation by Mi 2153-91.

Conversion factor from Metric tons in vacuo to US Bbls at 60°F by GOST 8.595-2010

"OilJar Ltd" Representative: Alexander Anisimov



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Vessel Seafaith II
Location Taman
B/Lading date 20-Apr-17

SUMMARY OF GROSS AND NET QUANTITIES

Calculation of Net figures
GOST calculation by Mi 2153-91

Tengiz Crude Oil				
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CUBIC METRES AT 20°C

				Total
<u>Bill of Lading</u>	Gross	111,133.650		111,133.650
	Sediments & Water & Chloride Salts	2.223		2.223
	Net	111,131.427		111,131.427
<u>Shore quantities</u>	Gross	111,131.481		111,131.481
	Sediments & Water & Chloride Salts			
	Net	111,131.481		111,131.481
<u>Vessel's loaded quantity</u>	Gross	112,035.162		112,035.162
	Sediments & Water & Chloride Salts	2.241		2.241
	Net	112,032.921		112,032.921

CUBIC METRES AT 15°C

				Total
<u>Bill of Lading</u>	Gross	110,585.154		110,585.154
	Sediments & Water & Chloride Salts	2.212		2.212
	Net	110,582.942		110,582.942
<u>Shore quantities</u>	Gross	110,576.601		110,576.601
	Sediments & Water & Chloride Salts			
	Net	110,576.601		110,576.601
<u>Vessel's loaded quantity</u>	Gross	111,482.215		111,482.215
	Sediments & Water & Chloride Salts	2.230		2.230
	Net	111,479.985		111,479.985

US BARRELS AT 60°C

				Total
<u>Bill of Lading</u>	Gross	695,938.01		695,938.01
	Sediments & Water & Chloride Salts	13.92		13.92
	Net	695,924.09		695,924.09
<u>Shore quantities</u>	Gross	695,886.89		695,886.89
	Sediments & Water & Chloride Salts			
	Net	695,886.89		695,886.89
<u>Vessel's loaded quantity</u>	Gross	701,618.16		701,618.16
	Sediments & Water & Chloride Salts	14.03		14.03
	Net	701,604.13		701,604.13

METRIC TONS IN AIR

				Total
<u>Bill of Lading</u>	Gross	87,264.935		87,264.935
	Sediments & Water & Chloride Salts	4.363		4.363
	Net	87,260.572		87,260.572
<u>Shore quantities</u>	Gross	87,267.565		87,267.565
	Sediments & Water & Chloride Salts	4.364		4.364
	Net	87,263.201		87,263.201
<u>Vessel's loaded quantity</u>	Gross	87,972.559		87,972.559
	Sediments & Water & Chloride Salts	3.959		3.959
	Net	87,968.600		87,968.600

METRIC TONS IN VACUO

				Total
<u>Bill of Lading</u>	Gross	87,384.389		87,384.389
	Sediments & Water & Chloride Salts	3.970		3.970
	Net	87,380.419		87,380.419
<u>Shore quantities</u>	Gross	87,378.018		87,378.018
	Sediments & Water & Chloride Salts			
	Net	87,378.018		87,378.018
<u>Vessel's loaded quantity</u>	Gross	88,093.247		88,093.247
	Sediments & Water & Chloride Salts	3.964		3.964
	Net	88,089.283		88,089.283



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CERTIFICATE OF SHORE QUANTITY
Calculation by ASTM D 1250-2004
 Tengiz Crude Oil

Bill of Lading date	20-Apr-17
Gross Metric Tons in vacuo	87,824.787
Net Metric Tons in vacuo	87,820.835
Gross Metric Tons in air	87,704.753
Net Metric Tons in air	87,700.806
Gross Long Tons	86,319.54
Net Long Tons	86,315.66
Gross US barrels at 60°F	699,449.87
Net US barrels at 60°F	699,435.88
Gross US gallons at 60°F	29,376,894.54
Net US gallons at 60°F	29,376,306.96
Gross Cubic Metres at at 15°C	111,142.479
Net Cubic Metres at at 15°C	111,140.256
Pro rata delivered Density at 15°C in vacuo	0.7902
API gravity from Density at 15°C as per Chapter 11.5.	47.49

Above quantities determined by "OilJar Ltd" on basis of shore measurements.

Metric Tons in Vacuo = Gross Standard Volume at 15°C * Density at 15°C in Vacuo

Metric Tons in Air = Gross Standard Volume at 15°C * Density at 15°C in Air

Criteria used for calculations:

US Barrels at 60°F / CuM at 15°C by Chapter 11.5
 Conv. factor from US Bbls to US Gallons by Table 1
 Average Density at 15°C (in air)
 W.C.F. = Metric Tons in Air / Metric Tons in Vacuo =
 Long Tons = Metric Tons in Air * by

6.293272071
42
0.78912
0.99863
0.984206

Net Volume (Cu M or Bbls or Gall) = Gross Volume (Cu M or Bbls or Gall) * ((100 - (S + W)vol%)/100)

Net Metric Tons (in vacuo or in air) = Gross Metric Tons (in vacuo or in air) * ((100 - (S + W)mass%)/100)

Test results by loadport Oil Installation Laboratory:

Average Sediments + Water + Salts, % r ASTM D4807 0.0050
 ASTM D4006

Average Sediments + Water + Salts, % v calculated 0.0020
 calculated

"OilJar Ltd" Representative: Alexander Anisimov



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 Vessel Seafaith II
 Location Taman

CERTIFICATE OF SHORE QUANTITY
GOST calculation by Mi 2153-91
 Tengiz Crude Oil

Bill of Lading date	20-Apr-17
Gross Metric Tons in vacuo	87,378.018
Net Metric Tons in vacuo	87,378.018
Gross Metric Tons in air	87,267.565
Net Metric Tons in air	87,258.323
Gross Long Tons	85,889.26
Net Long Tons	85,880.17
Gross US barrels at 60°F	695,886.89
Net US barrels at 60°F	695,886.89
Gross US gallons at 60°F	29,227,249.38
Net US gallons at 60°F	29,227,249.38
Gross Cubic Metres at at 15°C	110,576.601
Net Cubic Metres at at 15°C	110,576.601
Gross Cubic Metres at at 20°C	111,131.481
Net Cubic Metres at at 20°C	111,131.481
Pro rata delivered Density at 15°C in vacuo	0.7902
Pro rata delivered Density at 20°C in vacuo	0.7863
API gravity from Density at 15°C as per Chapter 11.5.	47.49

Above quantities determined by "OilJar Ltd" on basis of shore measurements.
 Metric Tons in Vacuo = Gross Standard Volume at 15°C * Density at 15°C in Vacuo
 Metric Tons in Air = Gross Standard Volume at 15°C * Density at 15°C in Air

Criteria used for calculations:

US Bbls@60°F / Mt vacuo by GOST 8.595-2010
 Conv. factor from US Bbls to US Gallons by Table 1
 W.C.F. = Metric Tons in Air / Metric Tons in Vacuo =
 Long Tons = Metric Tons in Air * by

7.9641
42
0.99863
0.984206

Net Volume (Cu M or Bbls or Gall) = Gross Volume (Cu M or Bbls or Gall) * ((100 - (S + W)vol%)/100)
 Net Metric Tons (in vacuo or in air) = Gross Metric Tons (in vacuo or in air) * ((100 - (S + W)mass%)/100)

Test results by loadport Oil Installation Laboratory:

Average Sediments + Water + Salts, % r ASTM D4807 0.0050
 Average Sediments + Water + Salts, % v calculated 0.0020
 calculated

"OilJar Ltd" Representative: Alexander Anisimov



OILJAR
OPTIMISING MARGINS

Report no. RU-0188-04-2017
Date of report 20-Apr-17
Vessel Seafaith II
Location Taman
Product Tengiz Crude Oil
B/Lading date 20-Apr-17

CERTIFICATE OF QUALITY

SAMPLE OF: Tengiz Crude Oil
SAMPLE DRAWN: by OilJar inspector
SAMPLE DESCRIPTION: Multiple Ship's Tank Composite Sample
(running) from each ship's tank
RECEIVED ON: 20-Apr-17
TESTING PERFORMED BY: Third Party Laboratory
ON THE: 20-Apr-17

Test	Method	Specification	Result
Density at 15°C in vac	kg/l	Table 53A ASTM D1250-04	0.7902
Density at 20°C in vac	kg/l	by Mi 2153-91	0.7863
API Gravity at 60°F	°API	API MPMS Chapter 11.5.	47.49
Sediment in Crude Oil by membrane filtrat mass %	ASTM D 4807		0.005

Report no. RU-0188-04-2017
 Date of report 20-Apr-17
 Vessel Seafait II
 Location Taman
 Product Tengiz Crude Oil
 B/Lading date 20-Apr-17

TIME LOG

Time	Date	Operations
18:12		2030
08:00	18-Apr-17	Vessel arrived at "End of Sea Passage"
08:30	18-Apr-17	Notice of Readiness tendered
08:30	18-Apr-17	Pilot on board
10:00	18-Apr-17	First line ashore
11:00	18-Apr-17	All Fast
11:00	18-Apr-17	Gangway secured
11:54	18-Apr-17	Loading Master on board
12:00	18-Apr-17	Commenced vessel's tank inspection
13:00	18-Apr-17	Completed vessel's tank inspection
13:00	18-Apr-17	Hoses 2 x 16" connected
14:24	18-Apr-17	Notice of Readiness received
16:12	18-Apr-17	Commenced Loading
21:24	19-Apr-17	Completed Loading
21:24	19-Apr-17	Commenced sampling vessel's tanks
21:24	19-Apr-17	Completed sampling vessel's tanks
22:24	19-Apr-17	Commenced measuring vessel's tanks
22:24	19-Apr-17	Completed measuring vessel's tanks
22:42	19-Apr-17	Completed cargo calculations
23:55	19-Apr-17	Hoses disconnected
01:36	20-Apr-17	Official cargo documents on board
01:48	20-Apr-17	Surveyor's documents on board
03:30	20-Apr-17	Loading Master left vessel
04:12	20-Apr-17	Vessel sailed (ETS)

DELAYS				REASON
From		To		
18:12	18-Apr-17	20:30	18-Apr-17	Loading suspended for Line Displacement
14:56	19-Apr-17	20:30	19-Apr-17	Loading suspended by shore request

Remarks: (*) - As per information received from the Master of the vessel
 Average delivery rate for each grade is as follows:
 4096.143 Mt in vacuo per hour for Tengiz Crude Oil, i.e. Mt in vacuo divided by 21 hours 20 minutes.



OILJAR
OPTIMISING MARGINS

Report no. RU-0188-04-2017
Date of report 20-Apr-17
Vessel Seafaith II
Location Taman
Product Tengiz Crude Oil
B/Lading date 20-Apr-17

ULLAGE REPORT AFTER LOADING
Calculation by ASTM D 1250-2004

Draft: FWD: 13.70 m, AFT: 13.70 m, Trim: 0.00 m, List: Nil

Tank No	Ullage Mtrs		Total Obs. Volume Cu Mtrs	Free Water		Gross Obs. Volume Cu Mtrs	Temp °C	V.C.F. by T 54A	*	Gross Standard Volume Cu Mtrs
	Actual	Corrected		Dip Mtrs	Volume Cu Mtrs					
1P	3.300	3.300	7,527.650			7,527.650	13.3	1.00167	1	7,540.221
2P	2.320	2.320	9,686.918			9,686.918	13.5	1.00147	1	9,701.158
3P	2.320	2.320	9,740.571			9,740.571	13.3	1.00167	1	9,756.838
4P	3.380	3.380	9,295.399			9,295.399	14.5	1.00049	1	9,299.954
5P	2.330	2.330	9,735.965			9,735.965	14.0	1.00098	1	9,745.506
6P	2.450	2.450	9,113.757			9,113.757	14.3	1.00069	1	9,120.045
Slop P	9.600	9.600	981.099			981.099	13.4	1.00157	1	982.639
1S	3.300	3.300	7,527.650			7,527.650	13.0	1.00197	1	7,542.479
2S	2.310	2.310	9,691.299			9,691.299	13.1	1.00187	1	9,709.422
3S	2.320	2.320	9,740.571			9,740.571	13.1	1.00187	1	9,758.786
4S	4.920	4.920	8,481.505			8,481.505	14.4	1.00059	1	8,486.509
5S	2.320	2.320	9,740.401			9,740.401	13.7	1.00128	1	9,752.869
6S	2.500	2.500	9,091.621			9,091.621	13.7	1.00128	1	9,103.258
Slop S	9.460	9.460	986.755			986.755	14.4	1.00059	1	987.337
Totals			111,341.161			111,341.161				111,487.021

Product Code (*)	Product Name(s)	Factor by Chapt. 11.5	TOV Cu Mtrs	Free Water Cu Mtrs	GOV Cu Mtrs
1	Tengiz Crude Oil	6.29327	111,341.161		111,341.161
Long Tons = Metric tons (air) x 0.984206		Totals:	111,341.161		111,341.161

Product Code (*)	Density @ 15°C	W.C.F. by Chapt. 11.5.	G.S.V. @15°C Cu Mtrs	OBQ (GOV) Cu Mtrs	G.S.V. @15°C Loaded, Cu Mtrs	G.S.V. @60°F Loaded, US bbls	Metric Tons (in air)
1	0.7902	0.78912	111,487.021		111,487.021	701,618.000	87,976.638
Totals:			111,487.021		111,487.021	701,618.000	87,976.638

Origin for Densities: Density at 15°C in vac is based on Bill of Lading density 15°C by T 53A.

Origin of Measurements: measured by ship's UTI tape and water finding paste.

Remarks: Measurements were taken from ship's hatches.

Sea valve Nos.: Starboard: 006503 Port: 006504

"OilJar Ltd" Representative: Alexander Anisimov
Master of MV "Seafaith II": Sergey Nikiforov

Long Tons	*	Metric Tons (in vacuo)
86,587.13	1	88,097.044
86,587.13		88,097.044



Report no. RU-0188-04-2017
 Date of report 20-Apr-17
 Vessel Seafaith II
 Location Taman
 Product Tengiz Crude Oil
 B/Lading date 20-Apr-17

ULLAGE REPORT AFTER LOADING

GOST calculation by Mi 2153-91

US Bbls@60°F/Mt vac by GOST 8.595-2010

Draft: FWD: 13.70 m, AFT: 13.70 m, Trim: 0.00 m, List: Nil

Tank No	Ullage Mtrs		Total Obs. Volume Cu Mtrs	Free Water		Gross Obs. Volume Cu Mtrs	Temp °C	Density at °C	*	Metric Tonnes in Vacuo
	Actual	Corrected		Dip Mtrs	Volume Cu Mtrs					
1P	3.300	3.300	7,527.650			7,527.650	13.3	0.7915	1	5,958.135
2P	2.320	2.320	9,686.918			9,686.918	13.5	0.7913	1	7,665.258
3P	2.320	2.320	9,740.571			9,740.571	13.3	0.7915	1	7,709.662
4P	3.380	3.380	9,295.399			9,295.399	14.5	0.7906	1	7,348.942
5P	2.330	2.330	9,735.965			9,735.965	14.0	0.7910	1	7,701.148
6P	2.450	2.450	9,113.757			9,113.757	14.3	0.7907	1	7,206.248
Slop P	9.600	9.600	981.099			981.099	13.4	0.7914	1	776.442
1S	3.300	3.300	7,527.650			7,527.650	13.0	0.7917	1	5,959.641
2S	2.310	2.310	9,691.299			9,691.299	13.1	0.7916	1	7,671.632
3S	2.320	2.320	9,740.571			9,740.571	13.1	0.7916	1	7,710.636
4S	4.920	4.920	8,481.505			8,481.505	14.4	0.7906	1	6,705.478
5S	2.320	2.320	9,740.401			9,740.401	13.7	0.7912	1	7,706.605
6S	2.500	2.500	9,091.621			9,091.621	13.7	0.7912	1	7,193.291
Slop S	9.460	9.460	986.755			986.755	14.4	0.7906	1	780.129
Totals			111,341.161			111,341.161				88,093.247

Product Code (*)	Product Name(s)	Density @ 15°C	TOV Cu Mtrs	Free Water Cu Mtrs	OBQ (GOV) Cu Mtrs
1	Tengiz Crude Oil	0.79020	111,341.161		
Long Tons = Metric tons (air) x 0.984206		Totals:		111,341.161	

Product Code (*)	Density @ 20°C	Correction per 1°C	GOV Cu Mtrs	G.S.V. @20°C Cu Mtrs	G.S.V. @15°C Cu Mtrs	G.S.V. @60°F US bbls	Metric Tons (in vacuo)
1	0.7863		111,341.161	112035.162	111,482.215	701,583.430	88,093.247
Totals:			111,341.161	112035.162	111,482.215	701,583.430	88,093.247

Origin for Densities: Density at 15°C in vac is based on Bill of Lading density 15°C by T 53A.

Origin of Measurements: measured by ship's UTI tape and water finding paste.

Remarks: Measurements were taken from ship's hatches.

Sea valve Nos.: Starboard: 006503 Port: 006504

"OilJar Ltd" Representative: Alexander Anisimov
 Master of MV "Seafaith II": Sergey Nikiforov

Long Tons	*	Metric Tons (in air)
86,583.12	1	87,972.559
86,583.12		87,972.559



Report no. RU-0188-04-2017
 Date of report 20-Apr-17
 Vessel Seafaiith II
 Location Taman

VESSEL TANKS INSPECTION REPORT

Product Tengiz Crude Oil Date of tank inspection:
 B/Lading date 20-Apr-17 Time of tank inspection:

We hereby report that we, "OilJar Ltd", attended on board the Vessel for the purpose of visually inspecting the nominated cargo tanks.

We report that the nominated cargo was to be loaded into the following Vessel tanks:

NOMINATED CARGO:	Tengiz Crude Oil				
PORTTANKS	1P, 2P, 3P, 4P, 5P, 6P, Slop P				
CENTRAL TANKS					
STARBOARD TANKS	1S, 2S, 3S, 4S, 5S, 6S, Slop S				

Each of the listed tanks is equipped with vapour lock for manual measurements.

Each of the listed tanks were inspected by us. In our opinion the listed cargo tanks have been found to be well drained.

Inspection carried out from deck level.

PUMP(S) AND LINES

The line connections to the aforementioned cargo tanks were closed and/or blanked off at the time of inspection.

HEATING COILS WITHIN THE CARGO TANKS: None

TANK CONSTRUCTION MATERIAL reported by the Vessel to be:

Mild Steel

TANK COATING as reported by the Vessel ;

We have been informed that the interior of the cargo tanks is:

The type of coating was reported by the Vessel to be epoxy.

PREVIOUS 3 CARGOES CARRIED BY THE VESSEL reported to be

CARGO TANK	All cargo tanks
First Last Cargo	Aseng C.O.
Second Last Cargo	CPC Blend C.O.
Third Last Cargo	CPC Blend C.O.

TANK CLEANING:

We have been informed by the vessel that tank cleaning was carried out as follows:

Well drained only.

TYPE OF OBO:

This report does not cover the state of cleanliness and dryness of Vessel tanks, pump(s) and line systems at inaccessible spots and/or possible release of components of previous cargoes during loading, discharge or transport of the cargo, for which the Vessel is fully responsible. This report represents our findings at the time and on the date of our inspection

Master of MV "Seafaiith II": Sergey Nikiforov

"OilJar Ltd" Representative: Alexander Anisimov



ON BOARD QUANTITY (OBQ) REPORT

Report no. RU-0188-04-2017
 Date of report 20-Apr-17
 Vessel Seafaith II
 Location Taman
 Product Tengiz Crude Oil
 B/Lading date 20-Apr-17

Draft : FWD: m, AFT: m, Trim : m, List: Nil

Tank No	Innage Metres		Total Observed Volume	Free Water		Gross Observed Volume	Non-Liquid	Liquid, Cu Mtrs	
	Actual	Corrected	Cu Mtrs	Dip	Cu Mtrs	Cu Mtrs		by Trim correction	by Wedge formula
1P									
2P									
3P									
4P									
5P									
6P									
Slop P									
1S									
2S									
3S									
4S									
5S									
6S									
Slop S									
Tanks for reference only -			0.000		0.000	0.000	0.000	0.000	0.000

SUMMARY OF QUANTITY

Total Observed Cu Mtrs	Free Water Cu Mtrs	Gross Observed Cu Mtrs	Liquid Volume Cu Mtrs	Non-Liquid Volume Cu Mtrs
0.000	0.000	0.000	0.000	0.000

Previous product in tanks reported by the Vessel to be Aseng C.O.

Measurements by representative of the vessel and witnessed by .

Calculations by .

Master of MV "Seafaith II": Sergey Nikiforov
 "OilJar Ltd" Representative: Alexander Anisimov



REPORT OF SHORE BASED QUANTITY

Calculation by ASTM D 1250-2004

Report no. RU-0188-04-2017
 Date of report 20-Apr-17
 Vessel Seafaiith II
 Location Taman
 Product Tengiz Crude Oil
 B/Lading date 20-Apr-17

Origin of	Before:	from analysis by Oil Terminal Laboratory
Densities:	After :	from analysis by Oil Terminal Laboratory
Pipelines (as reported by the Installation)	Before:	Full
	After :	Full
Average Density at 15°C (in vacuo):		0.7902

	Total Measured Mtrs	Free Water Mtrs	Total Observed Volume Cu Mtrs	Free Water Cu Mtrs	Floating Roof, Cu Mtrs	Shell correction	Gross Observed Volume Cu Mtrs	Actual Temp. °C	Density at 15 °C by T 53A	VCf by T 54A	Gross Standard Volume Cu Mtrs	Gross Metric Tons (in Vacuo)	Sediment mass%	Salts + Water mass%	Net Metric Tons (in Vacuo)
Tank 1	17.333 2.087		28,220.708 3,326.844		8.231 8.176	0.99992 0.99976	28,210.220 3,317.872	16.6 9.7	0.7909 0.7909	0.99843 1.00520	28,165.930 3,335.125	22,276.434 2,637.750	0.0050 0.0050	- -	22,275.320 2,637.618
Difference:			24,893.864				24,892.348				24,830.805	19,638.684			19,637.702
Tank 2	23.184 13.848		37,785.313 22,517.309		8.211 8.215	0.99982 0.99983	37,770.302 22,505.267	12.3 12.8	0.7895 0.7895	1.00266 1.00217	37,870.771 22,554.103	29,898.974 17,806.464	0.0050 0.0050	- -	29,897.479 17,805.574
Difference:			15,268.004				15,265.035				15,316.668	12,092.510			12,091.905
Tank 3	23.181 2.000		37,741.527 3,190.365		8.176 8.169	0.99976 0.99974	37,724.295 3,181.369	9.5 8.5	0.7907 0.7907	1.00539 1.00637	37,927.629 3,201.634	29,989.376 2,531.532	0.0050 0.0050	- -	29,987.877 2,531.405
Difference:			34,551.162				34,542.926				34,725.995	27,457.844			27,456.472
Tank 5	23.120 2.001		37,662.405 3,186.120			0.99983 0.99976	37,656.002 3,185.355	12.8 9.3	0.7893 0.7893	1.00217 1.00561	37,737.716 3,203.225	29,786.379 2,528.305	0.0050 0.0050	- -	29,784.890 2,528.179
Difference:			34,476.285				34,470.647				34,534.491	27,258.074			27,256.711
Line 106/13			1,026.719 639.000			0.99984 0.99984	1,026.555 638.898	13.0 13.0	0.7898 0.7898	1.00197 1.00197	1,028.577 640.157	812.370 505.596	0.0050 0.0050	- -	812.329 505.571
Difference:			387.719				387.657				388.420	306.774			306.758
Line 106/14 (2)			790.200 -			0.99984 -	790.074 -	13.0 -	0.7998 -	1.00192 -	791.591 -	633.114 -	0.0050 -	- -	633.082 -
Difference:			790.200				790.074				791.591	633.114			633.082
Tank			-			-	-				-	-	-	-	-
Difference:			-			-	-				-	-	-	-	-
Tank			-			-	-				-	-	-	-	-
Difference:			-			-	-				-	-	-	-	-
Tank			-			-	-				-	-	-	-	-
Difference:			-			-	-				-	-	-	-	-
TOTAL			110,367.234				110,348.687				110,587.970	87,387.000			87,382.630



REPORT OF SHORE BASED QUANTITY

GOST calculation by Mi 2153-91

Report no. RU-0188-04-2017
 Date of report 20-Apr-17
 Vessel Seafait II
 Location Taman
 Product Tengiz Crude Oil
 B/Lading date 20-Apr-17

Origin of Densities:	Before:	from analysis by Oil Terminal Laboratory
	After :	from analysis by Oil Terminal Laboratory
Pipelines (as reported by the Installation)	Before:	Full
	After :	Full
Average Density at 20°C (in vacuo):		0.7863

	Total Measured Mtrs	Free Water Mtrs	Total Observed Volume Cu Mtrs	Free Water Cu Mtrs	Floating Roof, Cu Mtrs	Shell correction	Gross Observed Volume Cu Mtrs	Actual Temp. °C	Density at 20°C	Correction Factor per 1°C:	Actual Density	Gross Standard Volume at 20°C Cu Mtrs	Gross Metric Tons (in Vacuo)	BS +W + Salts mass%	Net Metric Tons (in Vacuo)
Tank 1	17.333 2.087		28,220.708 3,326.844		8.232 8.176	0.99992 0.99976	28,210.219 3,317.872	16.6 9.7	0.7870 0.7870	0.000985 0.000985	0.7896 0.7950	28,303.417 3,351.598	22,274.789 2,637.708	- -	22,274.789 2,637.708
Difference:			24,893.864				24,892.347					24,951.819	19,637.081		19,637.081
Tank 2	23.184 13.848		37,785.313 22,517.309		8.212 8.216	0.99982 0.99983	37,770.301 22,505.266	12.3 12.8	0.7855 0.7855	0.000985 0.000985	0.7915 0.7911	38,058.807 22,665.711	29,895.193 17,803.916	- -	29,895.193 17,803.916
Difference:			15,268.004				15,265.035					15,393.096	12,091.277		12,091.277
Tank 3	23.181 2.000		37,741.527 3,190.365		8.177 8.169	0.99976 0.99974	37,724.294 3,181.369	9.5 8.5	0.7868 0.7868	0.000985 0.000985	0.7949 0.7957	38,112.660 3,217.355	29,987.041 2,531.415	- -	29,987.041 2,531.415
Difference:			34,551.162				34,542.925					34,895.305	27,455.626		27,455.626
Tank 5	23.120 2.001		37,662.405 3,186.120			0.99983 0.99976	37,656.002 3,185.355	12.8 9.3	0.7853 0.7853	0.000985 0.000985	0.7909 0.7936	37,924.528 3,219.022	29,782.132 2,527.898	- -	29,782.132 2,527.898
Difference:			34,476.285				34,470.647					34,705.506	27,254.234		27,254.234
Line 106/13			1,026.719 639.000			0.99984 0.99984	1,026.555 638.898	13.0 13.0	0.7858 0.7858	0.000985 0.000985	0.7912 0.7912	1,033.609 643.288	812.210 505.496	- -	812.210 505.496
Difference:			387.719				387.657					390.321	306.714		306.714
Line 106/14 (2)			790.200 -			0.99984 -	790.074 -	13.0	0.7959	0.000961	0.8013	795.434 -	633.086 -	- -	633.086 -
Difference:			790.200				790.074					795.434	633.086		633.086
Tank			- -			- -	- -					- -	- -	- -	- -
Difference:			-			-	-					-	-		-
Tank			- -			- -	- -					- -	- -	- -	- -
Difference:			-			-	-					-	-		-
Tank			- -			- -	- -					- -	- -	- -	- -
Difference:			-			-	-					-	-		-
TOTAL			110,367.234				110,348.685					111,131.481	87,378.018		87,378.018

"OilJar Ltd" Representative: Alexander Anisimov



Report No. RU-0188-04-2017
Date 20-Apr-17
Vessel Seafaitth II
Location Taman
Product Tengiz Crude Oil
B/Lading date 20-Apr-17

VESSEL EXPERIENCE REPORT

The following "Vessel Experience Factor" (VEF), has been calculated according to IP Petroleum Measurement Manual Part 16 (Annex C, Method 1), in which the following is noted (see also remarks, below):

- (a) There must be a minimum of five qualifying voyages, but more are preferred.
- (b) Voyages prior to any structural modification which may affect cargo capacities do not qualify.
- (c) Voyages where shore quantities are not available do not qualify.
- (d) No minimum percentage capacity is specified for qualification.
- (e) It is not advised whether quantities should be stated as weight or volume.

Voyage	Date	Port	Cargo	Vessel's figure (A) Metric tons	Shore Figure (B) Metric tons	Vessel Load/Disch Ratio	Qualify
Last	24-Feb-17	FPSO Aseng	Aseng C.O.	654,819.467	652,458.000	1.00362	Yes
2nd last	24-Jan-17	Novorossiysk	CPC Blend C.O.	633,629.207	631,669.768	1.00310	Yes
3rd last	24-Dec-16	Novorossiysk	CPC Blend C.O.	738,292.724	736,880.271	1.00192	Yes
4th last	6-Dec-16	Novorossiysk	REBCO	561,143.815	558,974.178	1.00388	Yes
5th last	22-Oct-16	Vysotsk	Fuel Oil	518,562.955	515,870.000	1.00522	Yes
6th last	25-Sep-16	Ceyhan	Azeri C.O.	686,405.293	684,325.992	1.00304	Yes
7th last	17-Sep-16	Sidi Kerir	Qarun C.O.	432,181.144	430,723.770	1.00338	Yes
8th last	30-Aug-16	Supsa	Azeri C.O.	602,403.000	600,383.000	1.00336	Yes
9th last	8-Aug-16	Kulevi	CPC Blend C.O.	579,945.000	578,694.000	1.00216	Yes
10th last	17-Jul-16	Supsa	Azeri C.O.	601,786.000	599,782.000	1.00334	Yes
11th last	23-Jun-16	Novorossiysk	CPC Blend C.O.	738,387.000	735,897.000	1.00338	Yes
12th last	6-Jun-16	Ceyhan	Azeri C.O.	603,756.000	601,384.000	1.00394	Yes
13th last	19-May-16	Ceyhan	Azeri C.O.	653,567.000	651,162.000	1.00369	Yes
14th last	30-Apr-16	Novorossiysk	CPC Blend C.O.	675,743.000	671,095.000	1.00693	No
15th last	10-Apr-16	Ras Lanuf	Amna C.O.	750,781.000	749,843.000	1.00125	Yes
16th last	17-Mar-16	Aseng	Aseng C.O.	683,995.000	682,473.000	1.00223	Yes
17th last	14-Feb-16	Novorossiysk	Siberian Light C.O.	593,820.000	591,702.000	1.00358	Yes
18th last	22-Jan-16	Es Sider	Es Sider C.O.	602,119.000	599,856.000	1.00377	Yes
19th last	1-Jan-16	Novorossiysk	Siberian Light C.O.	593,364.000	591,852.000	1.00255	Yes
20th last	27-Nov-15	Marsa El Brega	Brega C.O.	631,970.000	630,656.000	1.00208	Yes

Step (b) - Totals, excluding present cargo	12,536,670.605	12,495,680.979
Step (c) - Average Vessel Load Ratio (VLR), (A)/(B)	1.00328	
Permissible VLR range (plus / minus 0.3%)	1.00629	1.00027
Step (g) - Totals of qualifying voyages only	11,860,927.605	11,824,585.979
Step (h) - Average VLR as step (c), qualifying voyages only	1.00307	
VLR (VEF) range (plus / minus 0.3%)	1.00608	1.00006

Vessel's figures this voyage (Excluding OBQ)	88,097.044
Bill of Lading this voyage	87,384.389
Vessel loaded ratio this voyage	1.0082

Number of qualifying voyages: 19

Vessel Experience Factor 1.0031
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The above mentioned quantities are for the last 0 voyages as obtained from ship's record and cannot be guaranteed as accurate by "OilJar Ltd". No liability can be assumed for errors resulting from improper information supplied by the vessel. Cargo information must be verified in accordance with IP Petroleum manual Manual Part 16 (Annex C, Method 1). Shore quantities derived from ship cargo measurements do not qualify, whether adjusted for VEF or not.

Remarks:

Master of MV "Seafaitth II": Sergey Nikiforov
"OilJar Ltd" Representative: Alexander Anisimov



Report no. RU-0188-04-2017
 Date of report 20-Apr-17
 Vessel Seafaith II
 Location Taman
 Product Tengiz Crude Oil
 B/Lading date 20-Apr-17

**BUNKER REPORT
(Marine Diesel Oil)**

Calculation by ASTM D 1250-2004

Average Bunker consumption per day, according to Vessel's Officer (Quantities in MT VAC)		
While at Sea:	While at Port:	While at Anchor:
Last Port of Call:	Time / Date of Sailing:	
Bunker on Sailing from last port, Mt (vac)	(as advised by Vessel)	

UPON BERTHING		Date & Time of inspection				Trim Correction applied			Yes
Draft	FWD	m AFT		m	Trim	m	List		Nil
Tank No	Innage Mtrs	G.O.V. Cu Mtrs	Temp °C	Density 15 °C	Density 15°C	VCF Table 54B	G.S.V. Cu Mtrs	Metric Tons (Air)	Metric Tons (Vacuo)
Totals:									

UPON SAILING		Date & Time of inspection				Trim Correction applied			Yes
Draft	FWD	m AFT		m	Trim	m	List		Nil
Tank No	Innage Mtrs	G.O.V. Cu Mtrs	Temp °C	Density 15 °C	Density 15°C	VCF Table 54B	G.S.V. Cu Mtrs	Metric Tons (Air)	Metric Tons (Vacuo)
Totals:									

Bunker loaded at this port: None Aforementioned densities are as advised by the Vessel.
 Remarks: Densities are as advised by ship's Chief Engineer



OILJAR
OPTIMISING MARGINS

Report no. RU-0188-04-2017
Date of report 20-Apr-17
Vessel Seafaiht II
Location Taman
Product Tengiz Crude Oil
B/Lading date 20-Apr-17

**BUNKER REPORT
(Heavy Fuel Oil)**

Calculation by ASTM D 1250-2004

Average Bunker consumption per day, according to Vessel's Officer (Quantities in MT VAC)
While at Sea: While at Port: While at Anchor:
Last Port of Call: Time / Date of Sailing:
Bunker on Sailing from last port, Mt (vac) (as advised by Vessel)

UPON BERTHING

Tank No	Draft	Innage Mtrs	Date & Time of inspection			Trim	Trim Correction applied		Metric Tons (Air)	Metric Tons (Vacuo)
			G.O.V. Cu Mtrs	Temp °C	Density 15 °C		Density 15°C	VCF Table 54B		
Totals:										

UPON SAILING

Tank No	Draft	Innage Mtrs	Date & Time of inspection			Trim	Trim Correction applied		Metric Tons (Air)	Metric Tons (Vacuo)
			G.O.V. Cu Mtrs	Temp °C	Density 15 °C		Density 15°C	VCF Table 54B		
Totals:										

Bunker loaded at this port: None Aforementioned densities are as advised by the Vessel.
Remarks: Densities are as advised by ship's Chief Engineer



Report no. RU-0188-04-2017
 Date of report 20-Apr-17
 Vessel Seafaitth II
 Location Taman
 Product Tengiz Crude Oil
 B/Lading date 20-Apr-17

RECEIPT FOR DOCUMENTS

To: Master of MV Seafaitth II (Sergey Nikiforov)

Please sign for receipt of the documents listed below:

OBQ report	One
Time Log	One
Void/Ballast Tank Report	One
Vessel Experience Report	One
Ullage Report	One
Document & Sample Receipt	One
Letter of Protest	One
Tank Inspection Report	One
Statement of Facts	One

Instructions regarding documents: 1 set for Vessel's own use

Master of MV "Seafaitth II": Sergey Nikiforov
 "OilJar Ltd" Representative: Alexander Anisimov

RECEIPT FOR SAMPLES

To: Master of mv Seafaitth II (Sergey Nikiforov)

Please sign for receipt of the samples listed below:

Sample Size, Ltr	Number of Samples	Seal Numbers	Sample Description
1.000	2	10620, 10621 - for vessel	Multiple Ship's Tank Composite Samples (UML after loading) of Tengiz Crude Oil ex: 1P, 2P, 3P, 4P, 5P, 6P, Slop P, 1S, 2S, 3S, 4S, 5S, 6S, Slop S,
1.000	1	234567	Multiple Shore tank composite sample (before loading)
TOTAL	3		

Instruction regarding samples: to be held within a period of 90 days.

Master of MV "Seafaitth II": Sergey Nikiforov
 "OilJar Ltd" Representative: Alexander Anisimov



Report no. RU-0188-04-2017
Date of report 20-Apr-17
Vessel Seafaith II
Location Taman

CERTIFICATE OF QUANTITY

Tengiz Crude Oil

Bill of Lading No.	226/1-H
Bill of Lading date	20-Apr-17
Gross Metric Tons in vacuo	87,384.389
Net Metric Tons in vacuo	87,380.419
Gross Metric Tons in air	87,264.935
Net Metric Tons in air	87,260.572
Gross Long Tons	85,886.67
Net Long Tons	85,882.38
Gross US barrels at 60°F	695,938.01
Net US barrels at 60°F	695,924.09
Gross US gallons at 60°F	29,229,396.42
Net US gallons at 60°F	29,228,811.78
Gross Cubic Metres at at 15°C	110,587.970
Net Cubic Metres at at 15°C	110,582.942
Gross Cubic Metres at at 20°C	111,133.650
Net Cubic Metres at at 20°C	111,131.427
B/L Density at 15°C in vacuo	0.7902
B/L Density at 20°C in vacuo	0.7863
API gravity from Density at 15°C as per Chapter 11.5.	47.49

Above quantities determined by "OilJar Ltd".

Criteria used for calculations:

Conv. factor US Bbls at 60°F / Mt in vacuo by GOST 8.595-2010
Conv. factor from US Bbls to US Gallons by Table 1
Metric Tons in Air = Metric tons in vacuo * WCF (by Chapter 11.5)
Long Tons = Metric Tons in Air * by

7.9641
42
0.998633
0.984206

B/L Gross Metric tons (vac) were determined by loadport Oil Terminal.
Bill of Lading GSV at 15°C= B/L Metric Tons vacuo / B/L density at 15°C.

Net Volume (Cu M or Bbls or Gall) = Gross Volume (Cu M or Bbls or Gall) * ((100 - (S + W)vol%)/100)
Net Metric Tons (in vacuo or in air) = Gross Metric Tons (in vacuo or in air) * ((100 - (S + W)mass%)/100)

Test results by loadport Oil Installation Laboratory:

Sediments, % mass	ASTM D4807	0.0050
Water, % mass	ASTM D4006	0
Sediments, % volume	calculated	0.0020
Water, % volume	calculated	0



OILJAR
OPTIMISING MARGINS

Report no. RU-0188-04-2017
Date of report 20-Apr-17
Vessel Seafaith II
Location Taman
Product Tengiz Crude Oil
B/Lading date 20-Apr-17

STATEMENT OF FACTS

To: Whom it may concern

We have been appointed as Inspectors on the aforementioned shipment. On behalf of our Principals we wish to draw attention of all parties to the following:

The following cargo manifold valves were sealed by "OilJar Ltd" Representative after loading:

Port FWD:	OilJar 12345
Port AFT :	OilJar 56732
Starboard FWD:	OilJar 35267
Starboard AFT :	OilJar 78654

We hereby reserve the right of our Principals to make reference to the above at a later date.

"OilJar Ltd" Representative: Alexander Anisimov

Master of MV "Seafaith II": Sergey Nikiforov

Shore representative:



Report no. RU-0188-04-2017
Date of report 20-Apr-17
Vessel Seafait II
Location Taman
Product Tengiz Crude Oil
B/Lading date 20-Apr-17

STATEMENT OF FACTS

To: Whom it may concern

We have been appointed as Inspectors on the aforementioned shipment. On behalf of our Principals we wish to draw attention of all parties to the following:

The shore line fullness has been verified by high point bleed valve method as per API MPMS 17.6. The data illustrating the verification of fullness of lines for gasoil and gasoline are shown below: Shore tanks nominated for the receipt of gasoil are TK XX, TK XX and TK XX. The capacity of the gasoil shore line is XX cubic metres.

	Shore tank No.	Innage (Dip)	TOV
Before	XX	X.XXX m	XXX.XXX cu m
After	XX	X.XXX m	XXX.XXX cu m
Difference observed by the shore line is			XX.XXX cu m

The shore tank nominated for gasoline is TK XX, the capacity of gasoline line is XX.XXX cu m.

	Shore tank No.	Innage (Dip)	TOV
Before	XX	X.XXX m	XXX.XXX cu m
After	XX	X.XXX m	XXX.XXX cu m
Difference observed by the shore line is			X.XXX cu m

We opened high point bleed valves to remain open until liquid appeared in steady stream.

We sealed the outlet valves of the nominated shore tanks TK XX, XX and XX (for gasoil) and XX (for gasoline) and sealed the inter valves of the shore tanks TK XX (for gasoil), XX and XX (for gasoline) which have not been nominated to receive the above mentioned cargoes.

We hereby reserve the right of our Principals to make reference to the above at a later date.

"OilJar Ltd" Representative: Alexander Anisimov

Master of MV "Seafait II": Sergey Nikiforov

Shore representative:



Report no. RU-0188-04-2017
 Date of report 20-Apr-17
 Vessel Seafaith II
 Location Taman
 Product Tengiz Crude Oil
 B/Lading date 20-Apr-17

LETTER OF PROTEST

To: Whom it may concern

We have been appointed as Inspectors on the aforementioned shipment. On behalf of our Principals we do hereby lodge protest in respect of:

The apparent ship/shore difference noted between the Bill of Lading Quantity and the Quantity measured on board the above named Vessel.

	ASTM Calculation		GOST Calculation	
	<u>GROSS WEIGHT</u>		<u>GROSS WEIGHT</u>	
	Metric Tons in Vacuo	Metric Tons in Air	Metric Tons in Vacuo	Metric Tons in Air
Bill of Lading	87,384.389	87,264.935	87,384.389	87,264.935
Vessel's loaded quantity	88,097.044	87,976.638	88,093.247	87,972.559
Difference	712.655	711.703	708.858	707.624
Difference, %	0.816%	0.816%	0.811%	0.811%

	<u>GROSS WEIGHT</u>		<u>GROSS WEIGHT</u>	
	Metric Tons in Vacuo	Metric Tons in Air	Metric Tons in Vacuo	Metric Tons in Air
	Bill of Lading	87,384.389	87,264.935	87,384.389
Vessel loaded quantity adjusted bv VEF	87,824.787	87,704.753	87,821.002	87,700.687
Difference	440.398	439.818	436.613	435.752
Difference, %	0.504%	0.504%	0.500%	0.499%

We hereby reserve the right of our Principals to make reference to the above at a later date.

Calculation by ASTM D 1250-2004
GOST calculation by Mi 2153-91

The shore tank nominated for gasoline is TK XX, the capacity of gasoline line is XX.XXX cu m.

"OilJar Ltd" Representative: Alexander Anisimov

Master of MV "Seafaith II": Sergey Nikiforov

Shore representative:



OILJAR
OPTIMISING MARGINS

Report no. RU-0188-04-2017
Date of report 20-Apr-17
Vessel Seafaith II
Location Taman
Product Tengiz Crude Oil
B/Lading date 20-Apr-17

LETTER OF PROTEST

To: Whom it may concern

We have been appointed as Inspectors on the aforementioned shipment. On behalf of our Principals we do hereby lodge protest in respect of:

Line displacement was not performed because of lack of permission from Oil Terminal.

We hereby reserve the right of our Principals to make reference to the above at a later date.

"OilJar Ltd" Representative: Alexander Anisimov

Master of MV "Seafaith II": Sergey Nikiforov

Shore representative:



OILJAR
OPTIMISING MARGINS

Report no. RU-0188-04-2017
Date of report 20-Apr-17
Vessel Seafaith II
Location Taman
Product Tengiz Crude Oil
B/Lading date 20-Apr-17

SAMPLE LIST

Size, Ltr	Number of samples	Seal Number	Sample Description
2.500	1	Open	Multiple Ship's Tank Composite Sample (running after loading) of Tengiz Crude Oil ex: 1P, 2P, 3P, 4P, 5P, 6P, Slop P, 1S, 2S, 3S, 4S,
0.450	14	Open	Single Ship's Tank Composite Samples (running after loading) of Tengiz Crude Oil ex: 1P, 2P, 3P, 4P, 5P, 6P, Slop P, 1S, 2S, 3S, 4S,
0.450	6	Open	Single Shore Tank Composite Samples (UML before loading) of Tengiz Crude Oil ex shore tank(s): 24830.8042, 3, 5, 106/13, 106/14
Total: 21 samples			

Retained samples are intended to be held within a period of 90 days.

"OilJar Ltd" Representative: Alexander Anisimov

VITOL LOSS CONTROL FORM



Information to be reported ASAP by mail to Vitol Loss Control
 (reference code **LCL** ***** + vitol reference to be mentioned in subject line for Load reports at all times)
 (reference code **LCD** ***** + vitol reference to be mentioned in subject line for Discharge reports at all times)

Vitol INC xlosscontrolHOU@vitol.com
 Vitol ASIA xlosscontrolSIN@vitol.com
 Vitol SA xlosscontrolGVA@vitol.com
 Vitol BAHRAIN xlosscontrolBAH@vitol.com

Loadport data (*)		Disport data	
Vitol company	Vitol S.A. Geneva	Vitol company	Vitol S.A. Geneva
Vitol reference	LCL	Vitol reference	LCD
Product group	GLN	Product group	GLN
Grade	Tengiz Crude Oil	Grade	Tengiz Crude Oil
Vessel	Seafaiith II	Vessel	Seafaiith II
Country	Russia	Country	Russia
Port		Port	
Terminal name		Terminal name	
Bill of Lading details (*)		Outturn details	
Date (B/L)	20-Apr-17	Date (outturn)	20-Apr-17
Nett standard volume (N.S.V.)	Cbm 15 oC 110,582.942	Nett standard volume (N.S.V.)	Cbm 15 oC 110,585.154
Gross standard Volume (G.S.V.)	Cbm 15 oC 110,585.154	Gross standard Volume (G.S.V.)	Cbm 15 oC 110,585.154
Total calculated Volume (T.C.V.)	Cbm 15 oC 87,384.389	Total calculated Volume (T.C.V.)	Cbm 15 oC 87,384.389
Metric Tons	Vacuo 87,264.935	Metric Tons	Vacuo 87,264.935
Metric Tons	Air 0.7902	Metric Tons	Air 0.7902
B/L Density	at 15 oC (kg/l) 47.49	Outturn Density	at 15 oC (kg/l) 47.49
B/L API Gravity	at 60 oF 47.49	Outturn API Gravity	at 60 oF 47.49
Bill of Lading based on	ASTM calc.	Outturn based on	ASTM calc.
Transfer of Bill(s) of Lading			
BS & W (*)		BS & W	
BS & W volume	Cbm 15 oC 2.212	BS & W volume	Cbm 15 oC 2.212
BS & W (%)	0.0020%	BS & W (%)	0.0020%
Sediments (%)		Sediments (%)	
Water (%)		Water (%)	
Ship's Details at loadport (*)		Ship's Details at disport	
OBQ (G.S.V. liquid volume)	Cbm 15 oC	ROB (G.S.V. liquid volume)	Cbm 15 oC
OBQ (G.S.V. Non liquid volume)	Cbm 15 oC	ROB (G.S.V. Non liquid volume)	Cbm 15 oC
Gross standard Volume (G.S.V.)	Cbm 15 oC	Gross standard Volume (G.S.V.)	Cbm 15 oC
Free water volume after loading	Cbm 15 oC	Free water volume before discharge	Cbm 15 oC
Total calculated Volume (T.C.V.)	Cbm 15 oC	Total calculated Volume (T.C.V.)	Cbm 15 oC
Metric Tons	Vacuo	Metric Tons	Vacuo
Metric Tons	Air	Metric Tons	Air
Density	at 15 oC	Density	at 15 oC
API Gravity	at 60 oF	API Gravity	at 60 oF
Ship's Details (VEF Corrected) Ship's Details (VEF Corrected) (*)		Ship's Details (VEF Corrected)	
VEF	1.00310	VEF	1.00310
Qualified voyages	19	Qualified voyages	19
Gross standard Volume (G.S.V.)	Cbm 15 oC	Gross standard Volume (G.S.V.)	Cbm 15 oC
Total calculated Volume (T.C.V.)	Cbm 15 oC	Total calculated Volume (T.C.V.)	Cbm 15 oC
Metric Tons	Vacuo	Metric Tons	Vacuo
Metric Tons	Air	Metric Tons	Air
COMPARISON (*)		COMPARISON	
SHIP (VEF corrected) VERSUS B/L COMPARISON		B/L VERSUS OUTTURN COMPARISON	
Ship - B/L difference in volume	Cbm 15 oC -110,585.154	B/L - Outturn difference in volume	Cbm 15 oC -110,585.154
Ship - B/L difference in (%)	-100.00%	B/L - Outturn difference in (%)	-100.00%
Ship - B/L difference in weight	MTV -87,384.389	B/L - Outturn difference in weight	MTV -87,384.389
Ship - B/L difference in (%)	-100.00%	B/L - Outturn difference in (%)	-100.00%
SHIP (VEF corrected) VERSUS OUTTURN COMPARISON		SHIP INTRANSIT COMPARISON	
Ship arrival - Outturn difference in	Cbm 15 oC	Ship LP - Ship DP difference in	Cbm 15 oC
Percentage		Ship LP - DP difference (%) intransit	
General loadport details (*)		General disport details	
LOP issued (if yes to whom)	(Y/N)	LOP issued (if yes to whom)	(Y/N)
Line displacement performed	(Y/N)	Line displacement performed	(Y/N)
Total volume of shoreline	Cbm 15 oC	Total volume of shoreline	Cbm 15 oC
Superintend present (if yes fill in compan	(Y/N)	Superintend present (if yes fill in compan	(Y/N)
Part cargo loaded	(Y/N)	Part cargo discharged	(Y/N)
Shore tanks used for this loading		Shore tanks used for this discharge	
Ship's Tanks used for this loading		Ship's Tanks used for this discharge	
Open / Closed ship's tank sampling		Open / Closed ship's tank sampling	
No. of terminals / Jetties		No. of terminals / Jetties	
To whom it may concern			
TIME LOG (*)		TIME LOG (*)	
NORT	(Date) (time)	NORT	(Date) (time)
Start loading		Start discharge	
End loading		End discharge	
PUMPING PERFORMANCE (*)		PUMPING PERFORMANCE (*)	
Average pumping rate (cbm/hr)	(cbm/hr) (hrs)	Average pumping rate (cbm/hr)	(cbm/hr) (hrs)
Time used (hrs)		Time used (hrs)	
Inspectors (*)		Inspectors	
Vitol loss control form validated and confirmed by:		Vitol loss control form validated and confirmed by:	
Inspection company at loadport		Inspection company at disport	
Inspectors Representative (Name)		Inspectors Representative (Name)	
Inspectors Representative (Title)		Inspectors Representative (Title)	
Date of reporting loss control form		Date of reporting loss control form	
Contact detail (mail)	graham@OilJar.com	Contact detail (mail)	vmcs-ops@hotmail.com
(*) Load-port data validated and confirmed to be in line with inspectors final reports		Dis-port data validated and confirmed to be in line with inspectors final reports	
		(*) Load-port data section filled with data gathered from load-port documents by surveyor at dis-port	