



SIA "VENTSPILS SILTUMS"
Talsu street 84, Ventspils, LV-3602
Ventspils, LV-3602
Latvia
Attn: Mr. V.Blums

Report no. 14201/00006004/14
Date of report 7/22/2014
Object Shoretanks
Product Fuel Oil
Location SIA "VENTSPILS SILTUMS", Ventspils, Latvia.

INVENTORY SURVEY REPORT

This is to advise that we, as Independent Surveyors have carried out measurements and sampling of shoretanks according to the nomination 17, 22/Jul/2014.

This inspection was carried out according to the following reports:

Survey Report	: One
Sample Report	: One
Shoretanks Measurements Report	: One
Statement of Facts	: One
Certificate of Quality	: Four

Summary details:

Total shoretanks measured	:	4
Total measured Metric Tones (vac)	:	1,013.841
Litres 15 °C	:	1,002.992


Issuer warrants that it has exercised due diligence and care with respect to the information and professional judgements embodied in this report. This report reflects only the findings at the time and place of the inspection and testing. Issuer expressly disclaims any further indemnity of any kind. 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.

This report consists of 8 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: Z. Polinova

SIA "SAYBOLT LATVIJĀ"
Z.Polinova



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Date of report 7/22/2014
Object Shoretanks
Product Fuel Oil
Location SIA "VENTSPILS SILTUMS", Ventspils, Latvia.

SAMPLE REPORT

No.	Grade name	Description	Sampled Shrtks	Amount	Volume	Units	Date
1	Fuel Oil	Samples from shoretanks	4	3	1	ltr	7/17/2014
TOTAL			4	3			

Samples drawn by
Shoretanks sampling location
Type / condition of sample containers

Saybolt Inspector
Top of tank
Clean glass bottles

Remarks

Samples retained by Saybolt will be held for 90 days (unless otherwise specified) at the end of which the shall be disposed of.

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Report date 7/22/2014
Object Shorelanks
Product Fuel Oil
Location SIA "VENTSPILS SILTUMS", Ventspils, Latvia.

SHORE TANK MEASUREMENTS

SHORETANK NR (Date / Time)	1		2		3		4	
	17/07/2014. 11:15		17/07/2014. 11:30		22/07/2014. 13:00		17-Jul-2014	
Innage	mm	457	1170	370	200			
Volume	Cbm	183.701	467.905	234,751	126.892			
Water dip	mm	*	*	*	*			
Water volume	Cbm							
Line volume	Cbm							
Floating Roof	Cbm							
G.O.V.	Cbm	183.701	467.905	234,751	126.892			
Density 15°C	kg/l	1.0105	0.9947	1.0691	0.98560			
Temperature	°C	23.1	38.0	24.0	22.0			
VCF Table 54	B	0.9945	0.98434	0.99440	0.99519			
Litres 15°C		182.691	460.578	233.441	126.282			
Metric Tons Vac		181.631	458.137	249.572	124.501			
Other Information								
Ullage	mm							
Ref. heights of shoretank	mm	11988 ***	12020 ***	19170 ***	19153 ***			
Bottom plate heights	mm	300 ***	300 ***	no	no			
Innage measured equipment		Saybolt Steel Tape	Saybolt Steel Tape	Saybolt Steel Tape	Saybolt Steel Tape			
Equipment serial number		Nr. 97872	Nr. 97872	Nr. 97872	Nr. 97872			
Temperature measured equipment		Saybolt MMC	Saybolt MMC	Saybolt MMC	Saybolt MMC			
Equipment serial number		Nr. 6858	Nr. 6858	Nr. 6858	Nr. 6858			
Sampling equipment		Saybolt sampler	Saybolt sampler	Saybolt sampler	Saybolt sampler			
Sampling equipment ser. Nr		Saybolt - 4	Saybolt - 4	Saybolt - 4	Saybolt - 4			
Surveyor code		V11	V11	V04	V11			
Surveyor name / sumame		Ivan Isaev	Ivan Isaev	Anton Gusakov	Ivan Isaev			
SUB TOTALS								
Metric Tons Vac		181.631	458.137	249.572	124.501			
Litres 15 °C		182.691	460.578	233.441	126.282			

Remarks: *) Due to consistency of the cargo it was impossible to determine free water in the cargo.
**) Free water with traces of oil product was found in the sample (Calculations was done with free water density at observed temperature)
***) Information received from SIA "Ventspils Siltums"

TOTALS		
Metric Tons Vac		1,013.841
Litres 15 °C		1,002.992

Printed: 23/07/2014

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Attn: Mr. V.Blums

Report no. 14201/00006004/14
Report date 7/22/2014
Object Shoretanks
Product Fuel Oil
Location SIA "VENTSPILS SILTUMS", Ventspils, Latvia.

Statement of Fact

TO: WHOM IT MAY CONCERN

Date 22-Jul-2014

Time 13:00

Dear Sirs,

This is to advise that we, Saybolt, as Independent Surveyors on behalf of our clients wish to draw attention of all parties to the following:

Sampling and measurements of all shore tanks done by Saybolt surveyor accordance with all safety regulations with Saybolt respective and calibrated equipment. Reference heights, calibration tables and bottom plate heights information was received from SIA "Ventspils Siltums" organization.

Shoretanks measurements was done by Innage.

Free water with traces of oil product was found in the sample of shore tanks Nrs. 1, 2, 3, 4. Calculations of this tank was done with free water density at observed temperature due to it was impossible to split free water and product in this tank.

Fulhemore, on behalf of our client, we reserve the right to refer this matter at a later date.

Printed: 23/07/2014

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Pasvaldības SIA "Ventspils Siltums"
Talsu iela 84
LV-3602, Ventspils
Latvia
231129001

Attention of : Mr. E. Bonfelds

Certificate of Quality

Report number : 14201/00006004.20/L/14
Main Object : SHORETANKS
Report Date : 2014-07-23
Date of issue : 2014-07-23
Sample object : Shoretank 4
Sample type : Sampled
Sample submitted as : Fuel Oil
Marked : Spot shoretank No. 4 sample.

Date of sampling : 2014-07-17
Place of sampling : Pasvaldības SIA "Ventspils Siltums"
Date received : 2014-07-22
Date completed : 2014-07-22
Sample number : 1707536

NAME	METHOD	UNIT	RESULT
Gross Specific Energy	ISO 8217 (Annex A)	MJ/kg	20.74
Net Specific Energy	ISO 8217 (Annex A)	MJ/kg	18.38
Sediment By Extraction	ASTM D 473	mass %	> 0.40(0.64)
Water by distillation	ASTM D 95	mass %	> 25(50.7)

Lab comments:

The qualitative results reflected in the brackets as certain amounts () in the column "results" have the following meaning: the adequacy of the analysis reported is mentioned only for the information on request of our customer(s). Please note the accuracy appraisal might not be applied to such informative reported values i.e. the ones that do not fall within the reporting limits as required in the corresponding method.

Signed by: Irina Olhovaja - Quality Manager
Issued by: Saybolt Latvija SIA
Place and date of issue: Ventspils - 2014-07-23

SIA "SAYBOLT LATVIJĀ"
Z.Polinova

Uncertainties apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (except for analysis of RFG) and IP 357 with respect to the utilization of test data to determine conformance with specifications.

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Latvia
231129001

Attention of : Mr. E. Bonfelds

Certificate of Quality

Report number : 14201/00006004.20/LJ14
Main Object : SHORETANKS
Report Date : 2014-07-23
Date of issue : 2014-07-22
Sample object : 1
Sample type : Sampled
Sample submitted as : Fuel Oil
Marked : Spot shoretank No. 1 sample.

Date of sampling : 2014-07-17
Place of sampling : Pasvaldibas SIA "Ventspils Siltums"
Date received : 2014-07-17
Date completed : 2014-07-22
Sample number : 1696855

NAME	METHOD	UNIT	RESULT
Sediment By Extraction	ASTM D 473	mass %	> 0.40(1.51)
Water by distillation	ASTM D 95	mass %	> 25(74)
Gross Specific Energy	ISO 8217 (Annex A)	MJ/kg	10.74
Net Specific Energy	ISO 8217 (Annex A)	MJ/kg	8.39

Lab comments:

The qualitative results reflected in the brackets as certain amounts () in the column "results" have the following meaning: the adequacy of the analysis reported is mentioned only for the information on request of our customer(s). Please note the accuracy appraisal might not be applied to such informative reported values i.e. the ones that do not fall within the reporting limits as required in the corresponding method.

Signed by: Irina Olhovaja - Quality Manager
Issued by: Saybolt Latvija SIA
Place and date of issue: Ventspils - 2014-07-22

SIA "SAYBOLT LATVIJA"
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Uncertainties apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (except for analysis of RFG) and IP 367 with respect to the utilization of test data to determine conformance with specifications.

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231129001

Attention of : Mr. E. Bonfelds

Certificate of Quality

Report number : 14201/00006004.20/LJ14
Main Object : SHORETANKS
Date of sampling : 2014-07-17
Place of sampling : Pasvaldības SIA "Ventspils Siltums"
Report Date : 2014-07-23
Date received : 2014-07-17
Date of issue : 2014-07-22
Date completed : 2014-07-22
Sample object : 2 (2)
Sample type : Sampled
Sample number : 1696856
Sample submitted as : Fuel Oil
Marked : Spot shoretank No. 2 sample.

NAME	METHOD	UNIT	RESULT
Sediment By Extraction	ASTM D 473	mass %	0.29
Water by distillation	ASTM D 95	mass %	> 25(54)
Gross Specific Energy	ISO 8217 (Annex A)	MJ/kg	19.56
Net Specific Energy	ISO 8217 (Annex A)	MJ/kg	17.19

Lab comments:

The qualitative results reflected in the brackets as certain amounts () in the column "results" have the following meaning: the adequacy of the analysis reported is mentioned only for the information on request of our customer(s). Please note the accuracy appraisal might not be applied to such informative reported values i.e. the ones that do not fall within the reporting limits as required in the corresponding method.

Signed by: Inina Olhovaja - Quality Manager
Issued by: Saybolt Latvija SIA
Place and date of issue: Ventspils - 2014-07-22

SIA "SAYBOLT LATVIJĀ"
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Uncertainties apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (except for analysis of RFG) and IP 357 with respect to the utilization of test data to determine conformance with specifications.

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Attention of : Mr. E. Bonfelds

Certificate of Quality

Report number : 14201/00006004.20/LJ14
Main Object : SHORETANKS
Date of sampling : 2014-07-17
Place of sampling : Pasvaldības SIA "Ventspils Siltums"
Report Date : 2014-07-23
Date of issue : 2014-07-22
Date received : 2014-07-17
Date completed : 2014-07-22
Sample object : 3
Sample type : Sampled
Sample number : 1696881
Sample submitted as : Fuel Oil
Marked : Spot shoretank No. 3 sample.

NAME	METHOD	UNIT	RESULT
Sediment By Extraction	ASTM D 473	mass %	> 0.40(3.40)
Water by distillation	ASTM D 95	mass %	> 25(73)
Gross Specific Energy	ISO 8217 (Annex A)	MJ/kg	10.19
Net Specific Energy	ISO 8217 (Annex A)	MJ/kg	7.86

Lab comments:

The qualitative results reflected in the brackets as certain amounts () in the column "results" have the following meaning: the adequacy of the analysis reported is mentioned only for the information on request of our customer(s). Please note the accuracy appraisal might not be applied to such informative reported values i.e. the ones that do not fall within the reporting limits as required in the corresponding method.

Signed by: Irina Olhovaja - Quality Manager
Issued by: Saybolt Latvija SIA
Place and date of issue: Ventspils - 2014-07-22

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