



Your Reference:

TCO

For the attention of:

Report no.	UA-0026-03-2019
Date of report	June 30, 2013
RTC shipment No.	12
Location	Tamaneftegas Terminal
Inspection date	June 30, 2013

Loading

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

Report distribution has been effected as follows:
To yourselves in original only together with our relevant invoice.

Should you have any query, or require any additional information, please contact Mr. _____ at our _____ office (telephone number + _____).



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Date of report June 30, 2013
Location 12
Location Tamaneftegas Terminal
Inspection date June 30, 2013

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АКТ НАЛИВА Ж/Д ЦИСТЕРН № UA-0026-03-2019

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Место: Терминал Таманьнефтегаз
 Груз: Нефть сырая
 Дата: 30 июня 2013 года

Начало налива: 30-июн-13 22:14
 Окончание налива: 30-июн-13 23:55

ЖДЦ №	ЖД накладная №	Дата ЖД накладной	ЖД накладная брутто МТ в вакууме	ЖД накладная брутто МТ в воздухе	Начальн. показания весов, МТ в воздухе	Конечные показания весов, МТ в воздухе	Разница, (7) - (8), брутто МТ в воздухе	Разница, (9) - (6), брутто МТ в воздухе	Разница МТ в воздухе, [(9) - (6)] / (6), %	Брутто МТ в вакууме, WCFav x (9)	Разница, (12) - (5), брутто МТ в вакууме	Разница МТ в вакууме, [(12) - (5)] / (5), %	Нетто МТ вакуум, (12) x (100-(м.п.+в.) масс. %/	Нетто МТ воздух (9) x (100-(м.п.+в.) масс. %/	Брутто баррели США при 60°F	Нетто баррели США при 60°F, (16) x (100-(м.п.+в.) об. %/100	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	53986550	0216783	23-Jun-13	55.220	55.146	81.200	26.650	54.550	-0.596	-1.081	54.624	-0.596	-1.079	53.882	53.809	430.13	425.67
2	57699845	0216783	23-Jun-13	59.603	59.523	86.050	27.000	59.050	-0.473	-0.795	59.130	-0.473	-0.794	58.327	58.248	465.61	460.79
3	51741130	0216783	23-Jun-13	59.570	59.490	85.600	26.450	59.150	-0.340	-0.572	59.230	-0.340	-0.571	58.426	58.347	466.40	461.57
4	51784551	0216783	23-Jun-13	55.205	55.131	81.650	26.850	54.800	-0.331	-0.600	54.874	-0.331	-0.600	54.129	54.056	432.10	427.62
5	51587418	0161959	30-Jun-13	53.021	52.950	79.150	26.800	52.350	-0.600	-1.133	52.421	-0.600	-1.132	51.709	51.639	412.78	408.50
6	58305640	0161959	30-Jun-13	61.783	61.700	87.750	26.700	61.050	-0.650	-1.053	61.132	-0.651	-1.054	60.302	60.221	481.38	476.39
7	51024693	0161959	30-Jun-13	62.735	62.650	88.850	26.250	62.600	-0.050	-0.080	62.685	-0.050	-0.080	61.834	61.750	493.60	488.49
8	51565893	0161959	30-Jun-13	62.835	62.750	88.950	27.050	61.900	-0.850	-1.355	61.984	-0.851	-1.354	61.142	61.059	488.08	483.02
9	51032738	0161959	30-Jun-13	54.824	54.750	77.200	23.000	54.200	-0.550	-1.005	54.273	-0.551	-1.005	53.536	53.464	427.37	422.94
10	51901155	0161959	30-Jun-13	62.484	62.400	86.350	24.500	61.850	-0.550	-0.881	61.933	-0.551	-0.882	61.092	61.010	487.69	482.64
11	51474476	0161959	30-Jun-13	53.923	53.850	79.850	26.550	53.300	-0.550	-1.021	53.372	-0.551	-1.022	52.647	52.576	420.27	415.92
12	54722954	0161959	30-Jun-13	62.034	61.950	88.050	26.500	61.550	-0.400	-0.646	61.633	-0.401	-0.646	60.796	60.714	485.32	480.29
13	51683472	0161959	30-Jun-13	62.384	62.300	89.000	26.950	62.050	-0.250	-0.401	62.134	-0.250	-0.401	61.290	61.207	489.26	484.19
14	50490374	0161959	30-Jun-13	62.634	62.550	89.150	27.400	61.750	-0.800	-1.279	61.833	-0.801	-1.279	60.993	60.911	486.90	481.86
15	58707175	0161959	30-Jun-13	62.334	62.250	88.300	26.550	61.750	-0.500	-0.803	61.833	-0.501	-0.804	60.993	60.911	486.90	481.86
16	51656387	0161959	30-Jun-13	62.484	62.400	88.700	26.950	61.750	-0.650	-1.042	61.833	-0.651	-1.042	60.993	60.911	486.90	481.86
17	54888888	0161959	30-Jun-13	62.634	62.550	89.350	27.750	61.600	-0.950	-1.519	61.683	-0.951	-1.518	60.845	60.763	485.72	480.69
18	58714114	0161959	30-Jun-13	62.134	62.050	88.250	26.600	61.650	-0.400	-0.645	61.733	-0.401	-0.645	60.895	60.813	486.11	481.07
19	50458421	0161959	30-Jun-13	62.835	62.750	89.350	26.750	62.600	-0.150	-0.239	62.685	-0.150	-0.239	61.834	61.750	493.60	488.49
20	50459312	0161959	30-Jun-13	62.735	62.650	88.900	26.700	62.200	-0.450	-0.718	62.284	-0.451	-0.719	61.438	61.355	490.45	485.37
21	54886080	0161959	30-Jun-13	62.935	62.850	89.650	27.700	61.950	-0.900	-1.432	62.034	-0.901	-1.432	61.192	61.109	488.48	483.42
22	58714668	0161959	30-Jun-13	62.685	62.600	89.300	27.350	61.950	-0.650	-1.038	62.034	-0.651	-1.039	61.192	61.109	488.48	483.42
23	50459346	0161959	30-Jun-13	62.785	62.700	89.300	26.800	62.500	-0.200	-0.319	62.584	-0.201	-0.320	61.734	61.651	492.81	487.70
24	50464080	0161959	30-Jun-13	62.434	62.350	89.200	27.250	61.950	-0.400	-0.642	62.034	-0.400	-0.641	61.192	61.109	488.48	483.42
25	54888169	0161959	30-Jun-13	62.234	62.150	89.300	27.100	62.200	0.050	0.080	62.284	0.050	0.080	61.438	61.355	490.45	485.37
26	54886585	0161959	30-Jun-13	62.384	62.300	89.700	27.400	62.300			62.384			61.537	61.454	491.24	486.15
27	51695096	0161959	30-Jun-13	53.372	53.300	80.650	27.150	53.500	0.200	0.375	53.572	0.200	0.375	52.845	52.773	421.85	417.48
28	53983748	0161959	30-Jun-13	53.172	53.100	79.300	26.550	52.750	-0.350	-0.659	52.821	-0.351	-0.660	52.104	52.034	415.93	411.62
29	51582591	0161959	30-Jun-13	61.633	61.550	88.500	27.000	61.500	-0.050	-0.081	61.583	-0.050	-0.081	60.747	60.665	484.93	479.91
30	51715019	0161959	30-Jun-13	61.283	61.200	87.900	26.550	61.350	0.150	0.245	61.433	0.150	0.245	60.599	60.517	483.74	478.73
31	54654819	0161959	30-Jun-13	61.933	61.850	88.650	26.900	61.750	-0.100	-0.162	61.833	-0.100	-0.161	60.993	60.911	486.90	481.86
32	51602167	0161959	30-Jun-13	52.471	52.400	78.950	26.450	52.500	0.100	0.191	52.571	0.100	0.191	51.857	51.787	413.96	409.67
33	50458371	0161959	30-Jun-13	62.735	62.650	89.350	27.550	61.800	-0.850	-1.357	61.883	-0.852	-1.358	61.043	60.961	487.29	482.24
34	53981502	0161959	30-Jun-13	61.984	61.900	88.400	26.550	61.850	-0.050	-0.081	61.933	-0.051	-0.082	61.092	61.010	487.69	482.64
35	51917011	0161960	30-Jun-13	55.224	55.150	81.700	26.400	55.300	0.150	0.272	55.375	0.151	0.273	54.623	54.549	436.04	431.52
36	54085345	0161960	30-Jun-13	62.284	62.200	89.000	27.150	61.850	-0.350	-0.563	61.933	-0.351	-0.564	61.092	61.010	487.69	482.64
Итого по странице 1:	36 ЖДЦ			2 164.959	2 162.040	3 110.500	961.800	2 148.700	-13.340	-0.617	2 151.600	-10.440	-0.483	2 122.383	2 119.518	16 942.53	16 767.02

Примечание: Коэффициент пересчета от веса на воздухе к массе (весу в вакууме) и обратно согласно API MPMS Глава 11.5.3, по формуле пункта 4.5., коэффициент пересчета от метрических тонн в воздухе к баррелям США при 60°F согласно API MPMS Глава 11.5.3, по формуле пункта 4.19.

Представитель "Таманьнефтегаз": А. Филимонов

Представитель "СЖС": А. Лотков



АКТ НАЛИВА Ж/Д ЦИСТЕРН № УА-0026-03-2019

Место: Терминал Таманьнефтегаз
 Груз: Нефть сырая
 Дата: 30 июня 2013 года

1	ЖДЦ №	ЖД накладная №	Дата ЖД накладной	ЖД накладная брутто МТ в вакууме	ЖД накладная брутто МТ в воздухе	Начальн. показания весов, МТ в воздухе	Конечные показания весов, МТ в воздухе	Разница, (7) - (8), брутто МТ в воздухе	Разница, (9) - (6), брутто МТ в воздухе	Разница МТ в воздухе, [(9) - (6)] / (6), %	Брутто МТ в вакууме, WCFav x (9)	Разница, (12) - (5), брутто МТ в вакууме	Разница МТ в вакууме, [(12) - (5)] / (5), %	Нетто МТ вакуум, (12) x (100- (м.п.+в.) масс. %/	Нетто МТ воздух (9) x (100- (м.п.+в.) масс. %/	Брутто баррели США при 60°F	Нетто баррели США при 60°F, (16) x (100- (м.п.+в.) об. %/100
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
36	54085345	0161960	30-Jun-13	62.284	62.200	89.000	27.150	61.850	-0.350	-0.563	61.933	-0.351	-0.564	61.092	61.010	487.69	482.64
37	54888979	0161960	30-Jun-13	62.184	62.100	89.200	27.050	62.150	0.050	0.081	62.234	0.050	0.080	61.389	61.306	490.05	484.97
38	50463355	0161960	30-Jun-13	62.484	62.400	89.150	26.950	62.200	-0.200	-0.321	62.284	-0.200	-0.320	61.438	61.355	490.45	485.37
39	58305772	0161960	30-Jun-13	62.685	62.600	88.450	26.500	61.950	-0.650	-1.038	62.034	-0.651	-1.039	61.192	61.109	488.48	483.42
40	50449537	0161960	30-Jun-13	62.935	62.850	89.950	27.350	62.600	-0.250	-0.398	62.685	-0.250	-0.397	61.834	61.750	493.60	488.49
41	50458850	0161960	30-Jun-13	62.735	62.650	89.350	26.900	62.450	-0.200	-0.319	62.534	-0.201	-0.320	61.685	61.602	492.42	487.32
42	50478205	0161960	30-Jun-13	62.284	62.200	89.300	26.700	62.600	0.400	0.643	62.685	0.401	0.644	61.834	61.750	493.60	488.49
43	51769412	0161960	30-Jun-13	61.783	61.700	87.900	26.500	61.400	-0.300	-0.486	61.483	-0.300	-0.486	60.648	60.566	484.14	479.12
44	51748580	0161960	30-Jun-13	55.425	55.350	81.400	26.050	55.350			55.425			54.672	54.598	436.43	431.91
45	54888201	0161960	30-Jun-13	62.685	62.600	89.650	27.350	62.300	-0.300	-0.479	62.384	-0.301	-0.480	61.537	61.454	491.24	486.15
46	51056703	0161960	30-Jun-13	62.284	62.200	86.250	24.200	62.050	-0.150	-0.241	62.134	-0.150	-0.241	61.290	61.207	489.26	484.19
47	54888375	0161960	30-Jun-13	62.534	62.450	89.500	27.650	61.850	-0.600	-0.961	61.933	-0.601	-0.961	61.092	61.010	487.69	482.64
48	58713579	0161960	30-Jun-13	62.935	62.850	88.800	26.400	62.400	-0.450	-0.716	62.484	-0.451	-0.717	61.635	61.553	492.02	486.92
49	50459023	0161960	30-Jun-13	62.835	62.750	89.550	26.950	62.600	-0.150	-0.239	62.685	-0.150	-0.239	61.834	61.750	493.60	488.49
50	58707068	0161960	30-Jun-13	62.134	62.050	88.500	26.250	62.250	0.200	0.322	62.334	0.200	0.322	61.488	61.405	490.84	485.76
51	54887534	0161960	30-Jun-13	62.835	62.750	89.550	27.100	62.450	-0.300	-0.478	62.534	-0.301	-0.479	61.685	61.602	492.42	487.32
52	51091072	0161960	30-Jun-13	62.885	62.800	86.900	24.800	62.100	-0.700	-1.115	62.184	-0.701	-1.115	61.340	61.257	489.66	484.59
53	58714049	0161960	30-Jun-13	62.084	62.000	87.900	26.600	61.300	-0.700	-1.129	61.383	-0.701	-1.129	60.549	60.468	483.35	478.34
54	50449354	0161960	30-Jun-13	62.584	62.500	88.500	26.950	61.550	-0.950	-1.520	61.633	-0.951	-1.520	60.796	60.714	485.32	480.29
55	58707878	0161960	30-Jun-13	62.384	62.300	88.500	27.050	61.450	-0.850	-1.364	61.533	-0.851	-1.364	60.697	60.616	484.53	479.51
56	51520187	0161960	30-Jun-13	54.023	53.950	79.400	25.700	53.700	-0.250	-0.463	53.772	-0.251	-0.465	53.042	52.971	423.42	419.03
57	54885918	0161960	30-Jun-13	63.335	63.250	89.450	27.750	61.700	-1.550	-2.451	61.783	-1.552	-2.450	60.944	60.862	486.50	481.46
58	51922748	0161960	30-Jun-13	62.484	62.400	86.950	24.950	62.000	-0.400	-0.641	62.084	-0.400	-0.640	61.241	61.158	488.87	483.81
59	58714346	0161960	30-Jun-13	63.085	63.000	88.350	26.400	61.950	-1.050	-1.667	62.034	-1.051	-1.666	61.192	61.109	488.48	483.42
60	58706490	0161960	30-Jun-13	62.234	62.150	88.650	26.600	62.050	-0.100	-0.161	62.134	-0.100	-0.161	61.290	61.207	489.26	484.19
61	58713025	0161960	30-Jun-13	62.284	62.200	88.900	26.850	62.050	-0.150	-0.241	62.134	-0.150	-0.241	61.290	61.207	489.26	484.19
62	54887930	0161960	30-Jun-13	62.284	62.200	89.350	27.550	61.800	-0.400	-0.643	61.883	-0.401	-0.644	61.043	60.961	487.29	482.24
63	58713264	0161960	30-Jun-13	62.284	62.200	88.700	26.350	62.350	0.150	0.241	62.434	0.150	0.241	61.586	61.503	491.63	486.54
64	51749422	0161960	30-Jun-13	53.622	53.550	81.000	27.150	53.850	0.300	0.560	53.923	0.301	0.561	53.191	53.119	424.61	420.21
65	51628733	0161961	30-Jun-13	52.571	52.500	78.400	25.900	52.500			52.571			51.857	51.787	413.96	409.67
66	50462969	0161962	30-Jun-13	62.384	62.300	88.600	27.150	61.450	-0.850	-1.364	61.533	-0.851	-1.364	60.697	60.616	484.53	479.51
67	50375385	0161963	30-Jun-13	54.874	54.800	81.350	26.400	54.950	0.150	0.274	55.024	0.150	0.273	54.277	54.204	433.28	428.79
68	54889407	0161964	30-Jun-13	62.234	62.150	89.250	27.550	61.700	-0.450	-0.724	61.783	-0.451	-0.725	60.944	60.862	486.50	481.46
69	54681242	0161965	30-Jun-13	61.783	61.700	87.350	27.050	60.300	-1.400	-2.269	60.381	-1.402	-2.269	59.561	59.481	475.47	470.54
70	51945145	0161966	30-Jun-13	63.586	63.500	87.850	25.800	62.050	-1.450	-2.283	62.134	-1.452	-2.284	61.290	61.207	489.26	484.19
71	51934743	0161967	30-Jun-13	62.534	62.450	87.000	25.850	61.150	-1.300	-2.082	61.233	-1.301	-2.080	60.401	60.320	482.17	477.18
72	51652097	0161968	30-Jun-13	62.384	62.300	88.800	27.550	61.250	-1.050	-1.685	61.333	-1.051	-1.685	60.500	60.418	482.96	477.96
Итого по странице 2:	36 ЖДЦ	2 208.679	2 205.700	3 147.650	957.850	2 189.800	-15.900	-0.721	2 192.758	-12.942	-0.587	2 162.981	2 160.064	17 266.55	17 087.68		
Всего:	72 ЖДЦ	4 373.638	4 367.740	6 258.150	1 919.650	4 338.500	-29.240	-0.669	4 344.358	-29.280	-0.670	4 285.364	4 279.582	34 209.08	33 854.70		

Представитель "Таманьнефтегаз": А. Филимонов

Представитель "СЖС": А. Лотков



КАЧЕСТВО И КОЭФФИЦИЕНТЫ ПЕРЕСЧЕТА

Страница 1 из 2

Место: Терминал Таманьнефтегаз
Груз: Нефть сырая
Дата: 30 июня 2013 года

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ЖДЦ №	ЖД накладная №	Дата ЖД накладной	Номер пломбы на ЖДЦ на приход	Примечания о целостности пломб на прибытие	Температура теста плотности, Т °С	Плотность при Т °С, кг/л в вакууме	Плотность при 15°С, кг/л в вакууме	МТ в воздухе / МТ в вакууме, WCFav	МТ в вакууме / МТ в воздухе, WCFva	Баррель США при 60°F / МТ в воздухе	Механические примеси, масс. %	Вода, масс. %	Механические примеси, объёмн. %	Вода, объёмн. %	Вода + Мех. примеси, % масс.	Вода + Мех. примеси, % объём	
1	53986550	0216783	23-Jun-13	5454465	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
2	57699845	0216783	23-Jun-13	5454466	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
3	51741130	0216783	23-Jun-13	5454467	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
4	51784551	0216783	23-Jun-13	5454468	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
5	51587418	0161959	30-Jun-13	6408231	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
6	58305640	0161959	30-Jun-13	6408232	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
7	51024693	0161959	30-Jun-13	6408331	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
8	51565893	0161959	30-Jun-13	6408332	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
9	51032738	0161959	30-Jun-13	6408333	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
10	51901155	0161959	30-Jun-13	6408334	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
11	51474476	0161959	30-Jun-13	6408335	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
12	54722954	0161959	30-Jun-13	6408336	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
13	51683472	0161959	30-Jun-13	6408337	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
14	50490374	0161959	30-Jun-13	6408338	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
15	58707175	0161959	30-Jun-13	6408339	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
16	51656387	0161959	30-Jun-13	6408340	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
17	54888888	0161959	30-Jun-13	6408321	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
18	58714114	0161959	30-Jun-13	6408322	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
19	50458421	0161959	30-Jun-13	6408323	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
20	50459312	0161959	30-Jun-13	6408324	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
21	54886080	0161959	30-Jun-13	6408325	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
22	58714668	0161959	30-Jun-13	6408326	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
23	50459346	0161959	30-Jun-13	6408327	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
24	50464080	0161959	30-Jun-13	6408328	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
25	54888169	0161959	30-Jun-13	6408329	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
26	54886585	0161959	30-Jun-13	6408330	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
27	51695096	0161959	30-Jun-13	6408281	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
28	53983748	0161959	30-Jun-13	6408282	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
29	51582591	0161959	30-Jun-13	6408283	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
30	51715019	0161959	30-Jun-13	6408284	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
31	54654819	0161959	30-Jun-13	6408285	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
32	51602167	0161959	30-Jun-13	6408286	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
33	50458371	0161959	30-Jun-13	6408287	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
34	53981502	0161959	30-Jun-13	6408288	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
35	51917011	0161960	30-Jun-13	6408289	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
36	54085345	0161960	30-Jun-13	6408290	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359

Итого по странице 1: 36 ЖДЦ

Примечание: Коэффициент пересчета от веса на воздухе к массе (весу в вакууме) и обратно согласно API MPMS Глава 11.5.3, по формуле пункта 4.5., коэффициент пересчёта от метрических тонн в воздухе к баррелям США при 60°F согласно API MPMS Глава 11.5.3, по формуле пункта 4.19.

Представитель "Таманьнефтегаз": А. Филимонов

Представитель "СЖС": А. Лотков



КАЧЕСТВО И КОЭФФИЦИЕНТЫ ПЕРЕСЧЕТА

Страница 2 из 2

Место: Терминал Таманьнефтегаз
 Груз: Нефть сырая
 Дата: 30 июня 2013 года

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
ЖДЦ №	ЖД накладная №	Дата ЖД накладной	Номер пломбы на ЖДЦ на приход	Примечания о целостности пломб на прибытие	Температура теста плотности, Т °С	Плотность при Т °С, кг/л в вакууме	Плотность при 15°С, кг/л в вакууме	MT в воздухе / MT в вакууме, WCFav	MT в вакууме / MT в воздухе, WCFva	Баррель США при 60°F / MT в воздухе	Механические примеси, масс. %	Вода, масс. %	Механические примеси, объёмн. %	Вода, объёмн. %	Вода + Мех. примеси, % масс.	Вода + Мех. примеси, % объём	
36	54085345	0161960	30-Jun-13	6408290	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
37	54888979	0161960	30-Jun-13	6408291	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
38	50463355	0161960	30-Jun-13	6408292	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
39	58305772	0161960	30-Jun-13	6408293	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
40	50449537	0161960	30-Jun-13	6408294	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
41	50458850	0161960	30-Jun-13	6408295	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
42	50478205	0161960	30-Jun-13	6408296	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
43	51769412	0161960	30-Jun-13	6408297	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
44	51748580	0161960	30-Jun-13	6408298	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
45	54888201	0161960	30-Jun-13	6408299	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
46	51056703	0161960	30-Jun-13	6408300	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
47	54888375	0161960	30-Jun-13	6408301	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
48	58713579	0161960	30-Jun-13	6408302	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
49	50459023	0161960	30-Jun-13	6408304	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
50	58707068	0161960	30-Jun-13	6408305	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
51	54887534	0161960	30-Jun-13	6408306	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
52	51091072	0161960	30-Jun-13	6408307	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
53	58714049	0161960	30-Jun-13	6408308	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
54	50449354	0161960	30-Jun-13	6408309	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
55	58707878	0161960	30-Jun-13	6408310	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
56	51520187	0161960	30-Jun-13	6408311	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
57	54885918	0161960	30-Jun-13	6408312	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
58	51922748	0161960	30-Jun-13	6408313	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
59	58714346	0161960	30-Jun-13	6408314	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
60	58706490	0161960	30-Jun-13	6408315	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
61	58713025	0161960	30-Jun-13	6408316	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
62	54887930	0161960	30-Jun-13	6408317	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
63	58713264	0161960	30-Jun-13	6408318	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
64	51749422	0161960	30-Jun-13	6408319	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
65	51628733	0161961	30-Jun-13	6408320	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
66	50462969	0161962	30-Jun-13	6407862	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
67	50375385	0161963	30-Jun-13	6407863	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
68	54889407	0161964	30-Jun-13	6407864	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
69	54681242	0161965	30-Jun-13	6407865	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
70	51945145	0161966	30-Jun-13	6407866	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
71	51934743	0161967	30-Jun-13	6407867	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
72	51652097	0161968	30-Jun-13	6407868	Не нарушена	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359

Итого по странице 2:	36 ЖДЦ
Всего:	72 ЖДЦ

Представитель "Таманьнефтегаз": А. Филимонов

Представитель "СЖС": А. Лотков



СЕРТИФИКАТ КОЛИЧЕСТВА (ВЫГРУЖЕННОГО)

Отчёт №: UA-0026-03-2019
Дата отчёта: 30 июня 2013 года
Место: Терминал Таманьнефтегаз
Дата инспекции: 30 июня 2013 года
№ подачи: 12

Подсчёты количества на основе
ASTM D 1250-1980

Подача №	12
Дата окончания грузовой операции	30-июн-13
Брутто Метрические тонны в вакууме	4 344.358
Нетто Метрические тонны в вакууме	4 285.364
Брутто Метрические тонны в воздухе	4 338.500
Нетто Метрические тонны в воздухе	4 279.582
Брутто баррели США при 60°F	34 209.08
Нетто баррели США при 60°F	33 854.70

Примечание:

Содержание воды в % по объёму (Wvol.%) из содержания воды в % по массе (Wmass%) согласно ISO вычисляется по следующей формуле:

$$Wvol.\% = Wmass\% \times Doil / Dw,$$

где Doil - плотность нефтепродукта при 15°C, в кг/л
Dw - плотность воды, принимаемая равной 1 кг/л.

Содержание мех. примесей в % по объёму (Svol.%) из содержания мех. примесей в % по массе (Smass%) согласно ISO вычисляется по следующей формуле:

$$Svol.\% = Smass\% \times Doil / Ds,$$

где Doil - плотность нефтепродукта при 15°C в кг/л,
Ds - плотность мех. примесей, принимаемая равной 2 кг/л.

Представитель "Таманьнефтегаз": А. Филимонов

Представитель "СЖС": А. Лотков



RTC LOADING REPORT NO. UA-0026-03-2019

Location: Tamaneftegas Terminal
 Cargo: Crude Oil
 Date: June 30, 2013

Loading commenced: 30-Jun-13 22:14
 Loading completed: 30-Jun-13 23:55

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
RTC No.	Railway Bill No.	Railway Bill date	Railway Bill Gross MT in vacuo	Railway Bill Gross MT in air	Initial weighbridge readings, MT in air	Final weighbridge readings, MT in air	Difference, (7) - (8), Gross MT in air	Difference, (9) - (6), Gross MT in air	Difference MT in air, [(9) - (6)] / (6), %	Gross MT in vacuo, WCFav x (9)	Difference, (12) - (5), Gross MT in vacuo	Difference MT (vacuo), [(12) - (5)] / (5), %	Net MT vacuo, (9) x (100-(S.+W.) mass% / 100	Net MT air, (9) x (100-(S.+W.) mass% / 100	Gross US barrels at 60°F	Net US barrels at 60°F, (17) x (100-(S.+W.) vol.%/100	
1	53986550	0216783	23-Jun-13	55.220	55.146	81.200	26.650	54.550	-0.596	-1.081	54.624	-0.596	-1.079	53.882	53.809	430.13	425.67
2	57699845	0216783	23-Jun-13	59.603	59.523	86.050	27.000	59.050	-0.473	-0.795	59.130	-0.473	-0.794	58.327	58.248	465.61	460.79
3	51741130	0216783	23-Jun-13	59.570	59.490	85.600	26.450	59.150	-0.340	-0.572	59.230	-0.340	-0.571	58.426	58.347	466.40	461.57
4	51784551	0216783	23-Jun-13	55.205	55.131	81.650	26.850	54.800	-0.331	-0.600	54.874	-0.331	-0.600	54.129	54.056	432.10	427.62
5	51587418	0161959	30-Jun-13	53.021	52.950	79.150	26.800	52.350	-0.600	-1.133	52.421	-0.600	-1.132	51.709	51.639	412.78	408.50
6	58305640	0161959	30-Jun-13	61.783	61.700	87.750	26.700	61.050	-0.650	-1.053	61.132	-0.651	-1.054	60.302	60.221	481.38	476.39
7	51024693	0161959	30-Jun-13	62.735	62.650	88.850	26.250	62.600	-0.050	-0.080	62.685	-0.050	-0.080	61.834	61.750	493.60	488.49
8	51565893	0161959	30-Jun-13	62.835	62.750	88.950	27.050	61.900	-0.850	-1.355	61.984	-0.851	-1.354	61.142	61.059	488.08	483.02
9	51032738	0161959	30-Jun-13	54.824	54.750	77.200	23.000	54.200	-0.550	-1.005	54.273	-0.551	-1.005	53.536	53.464	427.37	422.94
10	51901155	0161959	30-Jun-13	62.484	62.400	86.350	24.500	61.850	-0.550	-0.881	61.933	-0.551	-0.882	61.092	61.010	487.69	482.64
11	51474476	0161959	30-Jun-13	53.923	53.850	79.850	26.550	53.300	-0.550	-1.021	53.372	-0.551	-1.022	52.647	52.576	420.27	415.92
12	54722954	0161959	30-Jun-13	62.034	61.950	88.050	26.500	61.550	-0.400	-0.646	61.633	-0.401	-0.646	60.796	60.714	485.32	480.29
13	51683472	0161959	30-Jun-13	62.384	62.300	89.000	26.950	62.050	-0.250	-0.401	62.134	-0.250	-0.401	61.290	61.207	489.26	484.19
14	50490374	0161959	30-Jun-13	62.634	62.550	89.150	27.400	61.750	-0.800	-1.279	61.833	-0.801	-1.279	60.993	60.911	486.90	481.86
15	58707175	0161959	30-Jun-13	62.334	62.250	88.300	26.550	61.750	-0.500	-0.803	61.833	-0.501	-0.804	60.993	60.911	486.90	481.86
16	51656387	0161959	30-Jun-13	62.484	62.400	88.700	26.950	61.750	-0.650	-1.042	61.833	-0.651	-1.042	60.993	60.911	486.90	481.86
17	54888888	0161959	30-Jun-13	62.634	62.550	89.350	27.750	61.600	-0.950	-1.519	61.683	-0.951	-1.518	60.845	60.763	485.72	480.69
18	58714114	0161959	30-Jun-13	62.134	62.050	88.250	26.600	61.650	-0.400	-0.645	61.733	-0.401	-0.645	60.895	60.813	486.11	481.07
19	50458421	0161959	30-Jun-13	62.835	62.750	89.350	26.750	62.600	-0.150	-0.239	62.685	-0.150	-0.239	61.834	61.750	493.60	488.49
20	50459312	0161959	30-Jun-13	62.735	62.650	88.900	26.700	62.200	-0.450	-0.718	62.284	-0.451	-0.719	61.438	61.355	490.45	485.37
21	54886080	0161959	30-Jun-13	62.935	62.850	89.650	27.700	61.950	-0.900	-1.432	62.034	-0.901	-1.432	61.192	61.109	488.48	483.42
22	58714668	0161959	30-Jun-13	62.685	62.600	89.300	27.350	61.950	-0.650	-1.038	62.034	-0.651	-1.039	61.192	61.109	488.48	483.42
23	50459346	0161959	30-Jun-13	62.785	62.700	89.300	26.800	62.500	-0.200	-0.319	62.584	-0.201	-0.320	61.734	61.651	492.81	487.70
24	50464080	0161959	30-Jun-13	62.434	62.350	89.200	27.250	61.950	-0.400	-0.642	62.034	-0.400	-0.641	61.192	61.109	488.48	483.42
25	54888169	0161959	30-Jun-13	62.234	62.150	89.300	27.100	62.200	0.050	0.080	62.284	0.050	0.080	61.438	61.355	490.45	485.37
26	54886585	0161959	30-Jun-13	62.384	62.300	89.700	27.400	62.300			62.384			61.537	61.454	491.24	486.15
27	51695096	0161959	30-Jun-13	53.372	53.300	80.650	27.150	53.500	0.200	0.375	53.572	0.200	0.375	52.845	52.773	421.85	417.48
28	53983748	0161959	30-Jun-13	53.172	53.100	79.300	26.550	52.750	-0.350	-0.659	52.821	-0.351	-0.660	52.104	52.034	415.93	411.62
29	51582591	0161959	30-Jun-13	61.633	61.550	88.500	27.000	61.500	-0.050	-0.081	61.583	-0.050	-0.081	60.747	60.665	484.93	479.91
30	51715019	0161959	30-Jun-13	61.283	61.200	87.900	26.550	61.350	0.150	0.245	61.433	0.150	0.245	60.599	60.517	483.74	478.73
31	54654819	0161959	30-Jun-13	61.933	61.850	88.650	26.900	61.750	-0.100	-0.162	61.833	-0.100	-0.161	60.993	60.911	486.90	481.86
32	51602167	0161959	30-Jun-13	52.471	52.400	78.950	26.450	52.500	0.100	0.191	52.571	0.100	0.191	51.857	51.787	413.96	409.67
33	50458371	0161959	30-Jun-13	62.735	62.650	89.350	27.550	61.800	-0.850	-1.357	61.883	-0.852	-1.358	61.043	60.961	487.29	482.24
34	53981502	0161959	30-Jun-13	61.984	61.900	88.400	26.550	61.850	-0.050	-0.081	61.933	-0.051	-0.082	61.092	61.010	487.69	482.64
35	51917011	0161960	30-Jun-13	55.224	55.150	81.700	26.400	55.300	0.150	0.272	55.375	0.151	0.273	54.623	54.549	436.04	431.52
36	54085345	0161960	30-Jun-13	62.284	62.200	89.000	27.150	61.850	-0.350	-0.563	61.933	-0.351	-0.564	61.092	61.010	487.69	482.64
Total Page 1:		36 RTC		2 164.959	2 162.040	3 110.500	961.800	2 148.700	-13.340	-0.617	2 151.600	-10.440	-0.483	2 122.383	2 119.518	16 942.53	16 767.02

Remark: The conversion factor from the weight in air to the mass (the weight in vacuo) and vice versa as per API MPMS, Chapter 11.5.3, by the formula of the item 4.5., the conversion factor from the Metric tons in air to US barrels at 60°F as per as per API MPMS, Chapter 11.5.3, by the formula of the item 4.19.

Representative of "Tamaneftegas": A. Filimonov

Representative of "SGS": A. Lotkov



RTC LOADING REPORT NO. UA-0026-03-2019

Location: Tamaneftegas Terminal
 Cargo: Crude Oil
 Date: June 30, 2013

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
RTC No.	Railway Bill No.	Railway Bill date	Railway Bill Gross MT in vacuo	Railway Bill Gross MT in air	Initial weighbridge readings, MT in air	Final weighbridge readings, MT in air	Difference, (7) - (8), Gross MT in air	Difference, (9) - (6), Gross MT in air	Difference MT in air, [(9) - (6)] / (6), %	Gross MT in vacuo, WCFav x (9)	Difference, (12) - (5), Gross MT in vacuo	Difference MT (vacuo), [(12) - (5)] / (5), %	Net MT vacuo, (9) x (100-(S.+W.) mass% / 100	Net MT air, (9) x (100-(S.+W.) mass% / 100	Gross US barrels at 60°F	Net US barrels at 60°F, (17) x (100-(S.+W.) vol.%/100	
36	54085345	0161960	30-Jun-13	62.284	62.200	89.000	27.150	61.850	-0.350	-0.563	61.933	-0.351	-0.564	61.092	61.010	487.69	482.64
37	54888979	0161960	30-Jun-13	62.184	62.100	89.200	27.050	62.150	0.050	0.081	62.234	0.050	0.080	61.389	61.306	490.05	484.97
38	50463355	0161960	30-Jun-13	62.484	62.400	89.150	26.950	62.200	-0.200	-0.321	62.284	-0.200	-0.320	61.438	61.355	490.45	485.37
39	58305772	0161960	30-Jun-13	62.685	62.600	88.450	26.500	61.950	-0.650	-1.038	62.034	-0.651	-1.039	61.192	61.109	488.48	483.42
40	50449537	0161960	30-Jun-13	62.935	62.850	89.950	27.350	62.600	-0.250	-0.398	62.685	-0.250	-0.397	61.834	61.750	493.60	488.49
41	50458850	0161960	30-Jun-13	62.735	62.650	89.350	26.900	62.450	-0.200	-0.319	62.534	-0.201	-0.320	61.685	61.602	492.42	487.32
42	50478205	0161960	30-Jun-13	62.284	62.200	89.300	26.700	62.600	0.400	0.643	62.685	0.401	0.644	61.834	61.750	493.60	488.49
43	51769412	0161960	30-Jun-13	61.783	61.700	87.900	26.500	61.400	-0.300	-0.486	61.483	-0.300	-0.486	60.648	60.566	484.14	479.12
44	51748580	0161960	30-Jun-13	55.425	55.350	81.400	26.050	55.350			55.425			54.672	54.598	436.43	431.91
45	54888201	0161960	30-Jun-13	62.685	62.600	89.650	27.350	62.300	-0.300	-0.479	62.384	-0.301	-0.480	61.537	61.454	491.24	486.15
46	51056703	0161960	30-Jun-13	62.284	62.200	86.250	24.200	62.050	-0.150	-0.241	62.134	-0.150	-0.241	61.290	61.207	489.26	484.19
47	54888375	0161960	30-Jun-13	62.534	62.450	89.500	27.650	61.850	-0.600	-0.961	61.933	-0.601	-0.961	61.092	61.010	487.69	482.64
48	58713579	0161960	30-Jun-13	62.935	62.850	88.800	26.400	62.400	-0.450	-0.716	62.484	-0.451	-0.717	61.635	61.553	492.02	486.92
49	50459023	0161960	30-Jun-13	62.835	62.750	89.550	26.950	62.600	-0.150	-0.239	62.685	-0.150	-0.239	61.834	61.750	493.60	488.49
50	58707068	0161960	30-Jun-13	62.134	62.050	88.500	26.250	62.250	0.200	0.322	62.334	0.200	0.322	61.488	61.405	490.84	485.76
51	54887534	0161960	30-Jun-13	62.835	62.750	89.550	27.100	62.450	-0.300	-0.478	62.534	-0.301	-0.479	61.685	61.602	492.42	487.32
52	51091072	0161960	30-Jun-13	62.885	62.800	86.900	24.800	62.100	-0.700	-1.115	62.184	-0.701	-1.115	61.340	61.257	489.66	484.59
53	58714049	0161960	30-Jun-13	62.084	62.000	87.900	26.600	61.300	-0.700	-1.129	61.383	-0.701	-1.129	60.549	60.468	483.35	478.34
54	50449354	0161960	30-Jun-13	62.584	62.500	88.500	26.950	61.550	-0.950	-1.520	61.633	-0.951	-1.520	60.796	60.714	485.32	480.29
55	58707878	0161960	30-Jun-13	62.384	62.300	88.500	27.050	61.450	-0.850	-1.364	61.533	-0.851	-1.364	60.697	60.616	484.53	479.51
56	51520187	0161960	30-Jun-13	54.023	53.950	79.400	25.700	53.700	-0.250	-0.463	53.772	-0.251	-0.465	53.042	52.971	423.42	419.03
57	54885918	0161960	30-Jun-13	63.335	63.250	89.450	27.750	61.700	-1.550	-2.451	61.783	-1.552	-2.450	60.944	60.862	486.50	481.46
58	51922748	0161960	30-Jun-13	62.484	62.400	86.950	24.950	62.000	-0.400	-0.641	62.084	-0.400	-0.640	61.241	61.158	488.87	483.81
59	58714346	0161960	30-Jun-13	63.085	63.000	88.350	26.400	61.950	-1.050	-1.667	62.034	-1.051	-1.666	61.192	61.109	488.48	483.42
60	58706490	0161960	30-Jun-13	62.234	62.150	88.650	26.600	62.050	-0.100	-0.161	62.134	-0.100	-0.161	61.290	61.207	489.26	484.19
61	58713025	0161960	30-Jun-13	62.284	62.200	88.900	26.850	62.050	-0.150	-0.241	62.134	-0.150	-0.241	61.290	61.207	489.26	484.19
62	54887930	0161960	30-Jun-13	62.284	62.200	89.350	27.550	61.800	-0.400	-0.643	61.883	-0.401	-0.644	61.043	60.961	487.29	482.24
63	58713264	0161960	30-Jun-13	62.284	62.200	88.700	26.350	62.350	0.150	0.241	62.434	0.150	0.241	61.586	61.503	491.63	486.54
64	51749422	0161960	30-Jun-13	53.622	53.550	81.000	27.150	53.850	0.300	0.560	53.923	0.301	0.561	53.191	53.119	424.61	420.21
65	51628733	0161961	30-Jun-13	52.571	52.500	78.400	25.900	52.500			52.571			51.857	51.787	413.96	409.67
66	50462969	0161962	30-Jun-13	62.384	62.300	88.600	27.150	61.450	-0.850	-1.364	61.533	-0.851	-1.364	60.697	60.616	484.53	479.51
67	50375385	0161963	30-Jun-13	54.874	54.800	81.350	26.400	54.950	0.150	0.274	55.024	0.150	0.273	54.277	54.204	433.28	428.79
68	54889407	0161964	30-Jun-13	62.234	62.150	89.250	27.550	61.700	-0.450	-0.724	61.783	-0.451	-0.725	60.944	60.862	486.50	481.46
69	54681242	0161965	30-Jun-13	61.783	61.700	87.350	27.050	60.300	-1.400	-2.269	60.381	-1.402	-2.269	59.561	59.481	475.47	470.54
70	51945145	0161966	30-Jun-13	63.586	63.500	87.850	25.800	62.050	-1.450	-2.283	62.134	-1.452	-2.284	61.290	61.207	489.26	484.19
71	51934743	0161967	30-Jun-13	62.534	62.450	87.000	25.850	61.150	-1.300	-2.082	61.233	-1.301	-2.080	60.401	60.320	482.17	477.18
72	51652097	0161968	30-Jun-13	62.384	62.300	88.800	27.550	61.250	-1.050	-1.685	61.333	-1.051	-1.685	60.500	60.418	482.96	477.96
Total Page 2:		36 RTC		2 208.679	2 205.700	3 147.650	957.850	2 189.800	-15.900	-0.721	2 192.758	-12.942	-0.587	2 162.981	2 160.064	17 266.55	17 087.68
Grandtotal:		72 RTC		4 373.638	4 367.740	6 258.150	1 919.650	4 338.500	-29.240	-0.669	4 344.358	-29.280	-0.670	4 285.364	4 279.582	34 209.08	33 854.70

Representative of "Tamaneftegas": A. Filimonov

Representative of "SGS": A. Lotkov



QUALITY AND CONVERSION FACTORS

Location: Tamaneftegas Terminal
 Cargo: Crude Oil
 Date: June 30, 2013

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
RTC No.	Railway Bill No.	Railway Bill date	RTC Seal No. on arrival	Remarks on integrity of seals on arrival	Density test temperature, T°C	Density at T°C, kg/l in vacuo	Density at 15°C, kg/l in vacuo	MT in air / MT in vacuo, WCFav	MT in vacuo / MT in air, WCFva	US barrels at 60°F / MT in air	Sediments, mass %	Water, mass %	Sediments, volume %	Water, volume %	Water + Sediments, mass %	Water + Sediments, vol. %	
1	53986550	0216783	23-Jun-13	5454465	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
2	57699845	0216783	23-Jun-13	5454466	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
3	51741130	0216783	23-Jun-13	5454467	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
4	51784551	0216783	23-Jun-13	5454468	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
5	51587418	0161959	30-Jun-13	6408231	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
6	58305640	0161959	30-Jun-13	6408232	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
7	51024693	0161959	30-Jun-13	6408331	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
8	51565893	0161959	30-Jun-13	6408332	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
9	51032738	0161959	30-Jun-13	6408333	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
10	51901155	0161959	30-Jun-13	6408334	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
11	51474476	0161959	30-Jun-13	6408335	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
12	54722954	0161959	30-Jun-13	6408336	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
13	51683472	0161959	30-Jun-13	6408337	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
14	50490374	0161959	30-Jun-13	6408338	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
15	58707175	0161959	30-Jun-13	6408339	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
16	51656387	0161959	30-Jun-13	6408340	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
17	54888888	0161959	30-Jun-13	6408321	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
18	58714114	0161959	30-Jun-13	6408322	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
19	50458421	0161959	30-Jun-13	6408323	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
20	50459312	0161959	30-Jun-13	6408324	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
21	54886080	0161959	30-Jun-13	6408325	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
22	58714668	0161959	30-Jun-13	6408326	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
23	50459346	0161959	30-Jun-13	6408327	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
24	50464080	0161959	30-Jun-13	6408328	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
25	54888169	0161959	30-Jun-13	6408329	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
26	54886585	0161959	30-Jun-13	6408330	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
27	51695096	0161959	30-Jun-13	6408281	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
28	53983748	0161959	30-Jun-13	6408282	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
29	51582591	0161959	30-Jun-13	6408283	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
30	51715019	0161959	30-Jun-13	6408284	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
31	54654819	0161959	30-Jun-13	6408285	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
32	51602167	0161959	30-Jun-13	6408286	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
33	50458371	0161959	30-Jun-13	6408287	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
34	53981502	0161959	30-Jun-13	6408288	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
35	51917011	0161960	30-Jun-13	6408289	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
36	54085345	0161960	30-Jun-13	6408290	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359

Total Page 1: 36 RTC

Remark: The conversion factor from the weight in air to the mass (the weight in vacuo) and vice versa as per API MPMS, Chapter 11.5.3, by the formula of the item 4.5., the conversion factor from the Metric tons in air to US barrels at 60°F as per as per API MPMS, Chapter 11.5.3, by the formula of the item 4.19.

Representative of "Tamaneftegas": A. Filimonov

Representative of "SGS": A. Lotkov



QUALITY AND CONVERSION FACTORS

Location: Tamanneftegas Terminal
 Cargo: Crude Oil
 Date: June 30, 2013

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
RTC No.	Railway Bill No.	Railway Bill date	RTC Seal No. on arrival	Remarks on integrity of seals on arrival	Density test temperature, T°C	Density at T°C, kg/l in vacuo	Density at 15°C, kg/l in vacuo	MT in air / MT in vacuo, WCFav	MT in vacuo / MT in air, WCFva	US barrels at 60°F / MT in air	Sediments, mass %	Water, mass %	Sediments, volume %	Water, volume %	Water + Sedi-ments, mass %	Water + Sedi-ments, vol. %	
36	54085345	0161960	30-Jun-13	6408290	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
37	54888979	0161960	30-Jun-13	6408291	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
38	50463355	0161960	30-Jun-13	6408292	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
39	58305772	0161960	30-Jun-13	6408293	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
40	50449537	0161960	30-Jun-13	6408294	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
41	50458850	0161960	30-Jun-13	6408295	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
42	50478205	0161960	30-Jun-13	6408296	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
43	51769412	0161960	30-Jun-13	6408297	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
44	51748580	0161960	30-Jun-13	6408298	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
45	54888201	0161960	30-Jun-13	6408299	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
46	51056703	0161960	30-Jun-13	6408300	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
47	54888375	0161960	30-Jun-13	6408301	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
48	58713579	0161960	30-Jun-13	6408302	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
49	50459023	0161960	30-Jun-13	6408304	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
50	58707068	0161960	30-Jun-13	6408305	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
51	54887534	0161960	30-Jun-13	6408306	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
52	51091072	0161960	30-Jun-13	6408307	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
53	58714049	0161960	30-Jun-13	6408308	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
54	50449354	0161960	30-Jun-13	6408309	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
55	58707878	0161960	30-Jun-13	6408310	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
56	51520187	0161960	30-Jun-13	6408311	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
57	54885918	0161960	30-Jun-13	6408312	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
58	51922748	0161960	30-Jun-13	6408313	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
59	58714346	0161960	30-Jun-13	6408314	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
60	58706490	0161960	30-Jun-13	6408315	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
61	58713025	0161960	30-Jun-13	6408316	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
62	54887930	0161960	30-Jun-13	6408317	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
63	58713264	0161960	30-Jun-13	6408318	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
64	51749422	0161960	30-Jun-13	6408319	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
65	51628733	0161961	30-Jun-13	6408320	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
66	50462969	0161962	30-Jun-13	6407862	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
67	50375385	0161963	30-Jun-13	6407863	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
68	54889407	0161964	30-Jun-13	6407864	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
69	54681242	0161965	30-Jun-13	6407865	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
70	51945145	0161966	30-Jun-13	6407866	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
71	51934743	0161967	30-Jun-13	6407867	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359
72	51652097	0161968	30-Jun-13	6407868	Intact	20.00	0.7954	0.7992	0.99865	1.00135	7.885	0.1235	1.2345	0.0493	0.9866	1.3580	1.0359

Total Page 2:	36 RTC
Grandtotal:	72 RTC

Representative of "Tamanneftegas": A. Filimonov

Representative of "SGS": A. Lotkov



CERTIFICATE OF QUANTITY DISCHARGED

Report no.: UA-0026-03-2019
Date of report: June 30, 2013
Location: Tamaneftegas Terminal
Inspection date: June 30, 2013
RTC shipment No.: 12

Quantity calculations are based on
ASTM D 1250-1980

Shipment No.	12
Date of completion of cargo operation	30-Jun-13
Gross Metric Tons in vacuo	4 344.358
Net Metric Tons in vacuo	4 285.364
Gross Metric Tons in air	4 338.500
Net Metric Tons in air	4 279.582
Gross US barrels at 60°F	34 209.08
Net US barrels at 60°F	33 854.70

Remark:

The water content in % by volume (Wvol.%) from the water content in% by mass (Wmass%) as per ISO is calculated in accordance with the following formula:

$$\mathbf{Wvol.\% = Wmass\% \times Doil / Dw,}$$

where Doil - the density of oil at 15°C, in kg/ltr
Dw - the density of water assumed equal to 1 kg/ltr.

The sediments content in % by volume (Svol.%) from the sediments in % by mass (Smass%) as per ISO is calculated in accordance with the following formula:

$$\mathbf{Svol.\% = Wmass\% \times Doil / Ds,}$$

where Doil - the density of oil at 15°C in kg/ltr,
Ds - the density of sediments assumed equal to 2 kg/ltr.

Representative of "Tamaneftegas": A. Filimonov

Representative of "SGS": A. Lotkov