

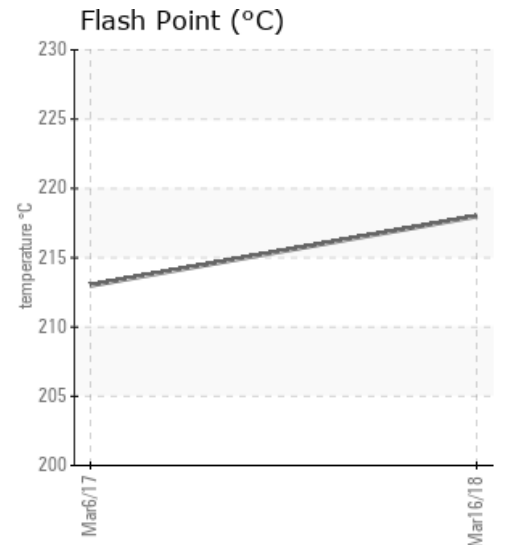
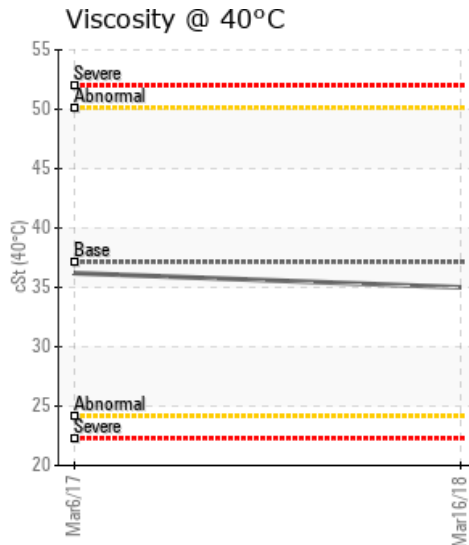
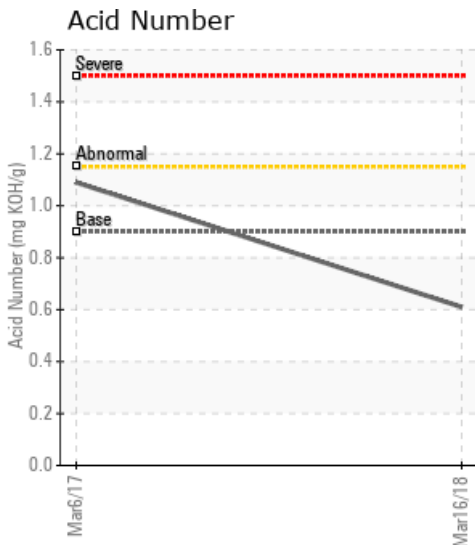
FERROLI RLI COIL 400

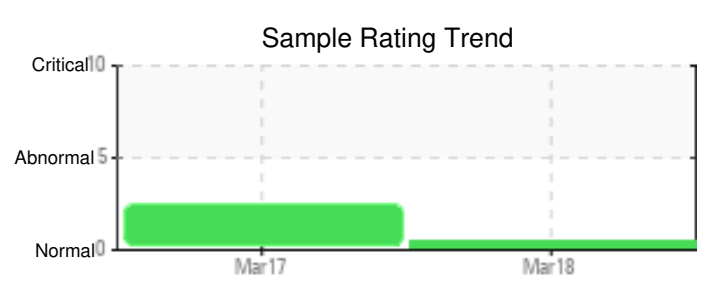
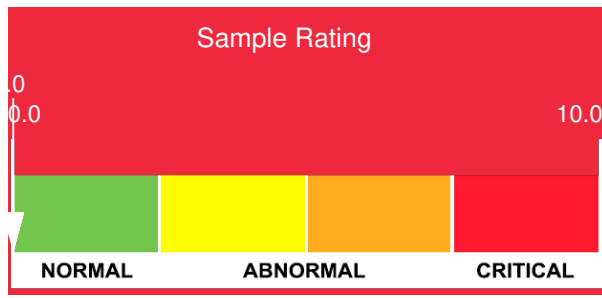
Customer: PTRHTF40108	System Information	Sample Information
WILTHAGEN VLEESWAREN ENERGIE WEG 1 THOLEN, 4691SE Netherlands Attn: Wilbert Snijers Tel: E-Mail: w.snijers@klt.nl	System Volume: 600 ltr Bulk Operating Temp: 475F / 246C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make: FERROLI	Lab No: 02205579 Analyst: Alexander Panov Sample Date: 03/16/18 Received Date: 03/22/18 Completed: 04/09/18 To discuss this report contact Alexander Panov at (496)214-4586269

Recommendation: Fluid is in good conditions, resample at you normal sampling interval.

Comments:

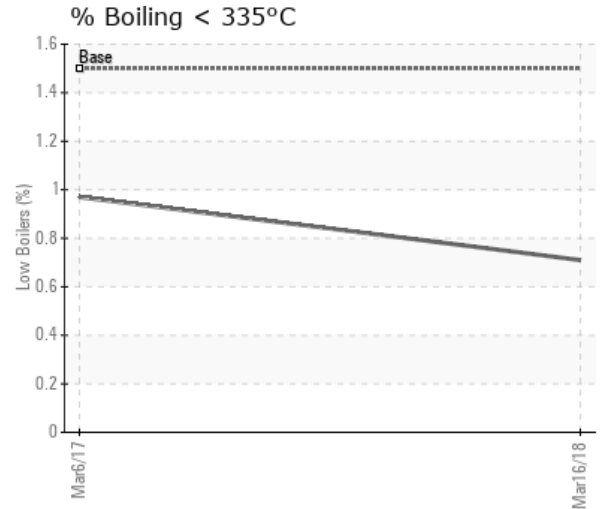
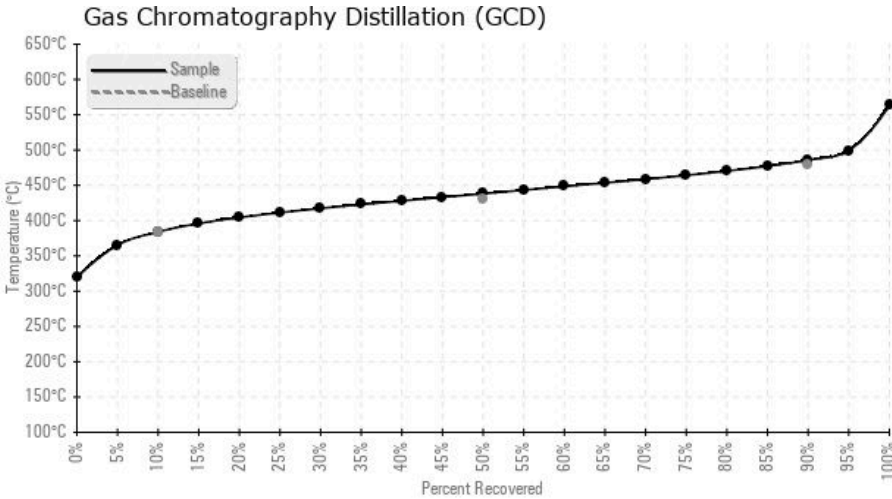
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
03/16/18	03/22/18	2y		424 / 218	19.3	35.0	0.61	0.341	723 / 384	821 / 438	906 / 486	0.71
03/06/17	03/10/17	1y		415 / 213	52.8	36.2	1.09	1.02	716 / 380	812 / 433	921 / 494	0.97
Baseline Data				459 / 237		37.12	0.90		721 / 383	807 / 431	892 / 478	1.5





Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
03/16/18	20	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	28	0
03/06/17	86	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	68	2
Baseline Data			0	0						0			0	0					0				230	

Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



Historical Comments	
03/06/17	Oil has higher than expected levels of debris - possibly last exchange was not completely cleansed. In this case the oil appears to be satisfactory for further use and a sample should be taken after 6 months for further analysis. Pentane Insolubles levels are severely high. (GCD) 90% Distillation Point is abnormally high.

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