

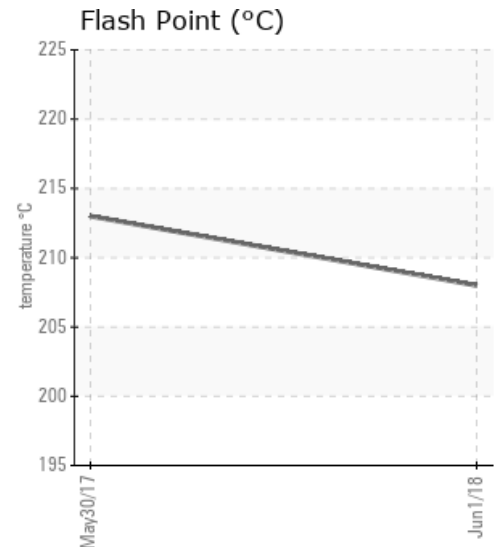
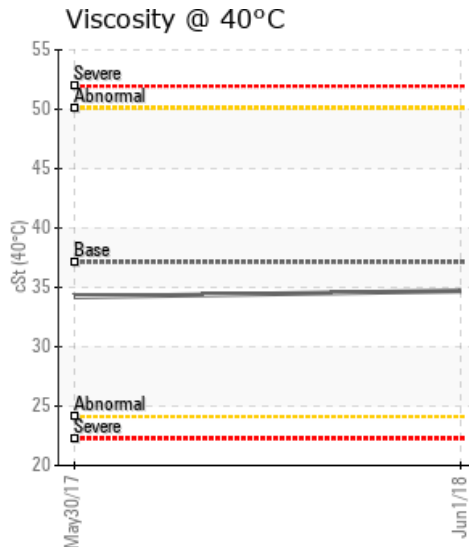
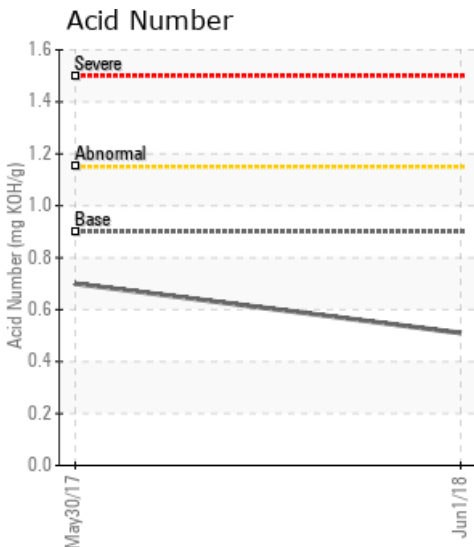
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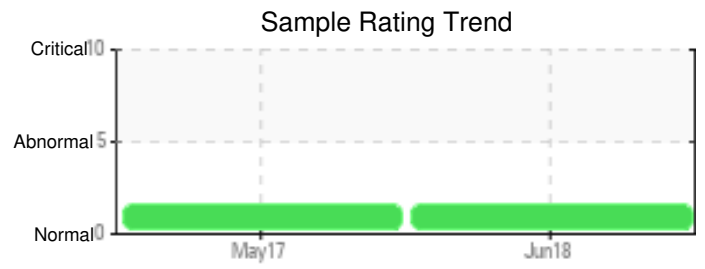
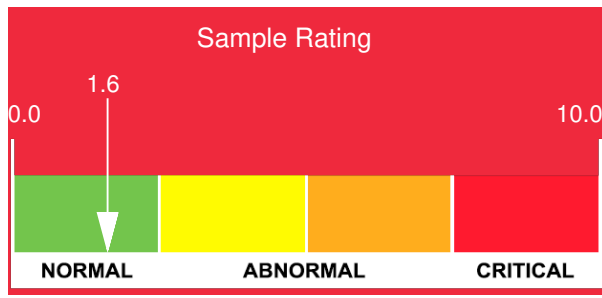
Customer: PTRHTF40007	System Information	Sample Information
BONFAIT FARADAYWEG 2 OVERIJSEL DENEKAMP, OVE NETHERLANDS Attn: Maintenance Manager Tel: E-Mail:	System Volume: 0 ltr Bulk Operating Temp: 0F / -18C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make: WANSON	Lab No: 02221302 Analyst: Philip Riley Sample Date: 06/01/18 Received Date: 06/08/18 Completed: 06/12/18 To discuss this report contact Philip Riley at (440)124-4378171

Recommendation: All parameters within allowable limits, although Pentane Insols borderline, but improved from previous sample a year ago. Looks like water and insols been removed, has some maintenance and filtration occurred. FLuid fit for further use

Comments: Pentane Insolubles levels are abnormally high.

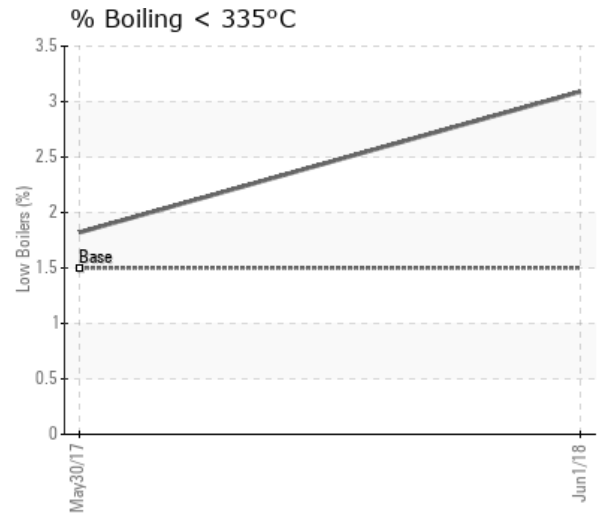
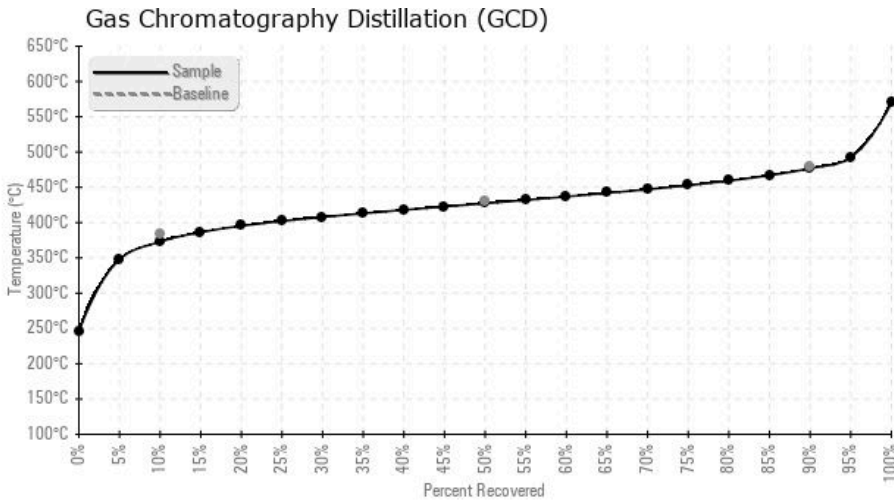
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
06/01/18	06/08/18	11y		406 / 208	28.5	34.7	0.51	0.414	703 / 373	801 / 427	890 / 477	3.09
05/30/17	06/02/17	10y		415 / 213	41.1	34.2	0.70	0.805	713 / 378	813 / 434	902 / 483	1.82
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
06/01/18	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	2
05/30/17	38	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	81	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

05/30/17	Oil appears to be fit for further service however we note that the insoluble are very high. If possible filter the insoluble out of the oil. Pentane Insolubles levels are severely high.