

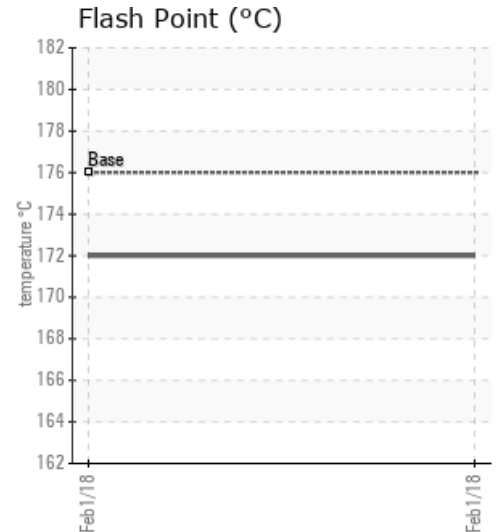
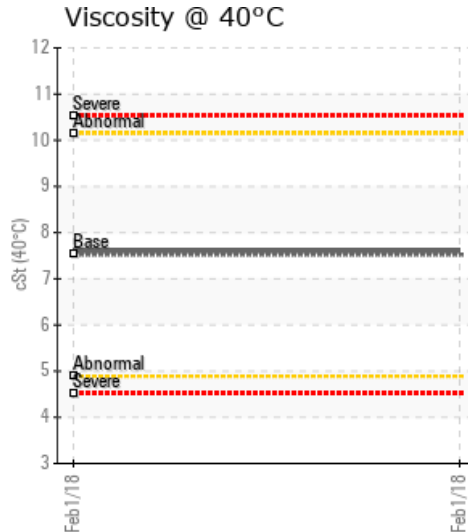
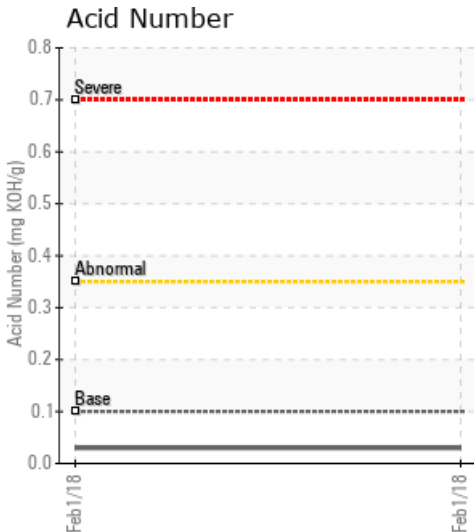
[ATHABASCA OIL CORP / 14-22-078-10W4M] L2 (PAD B) LIESMER

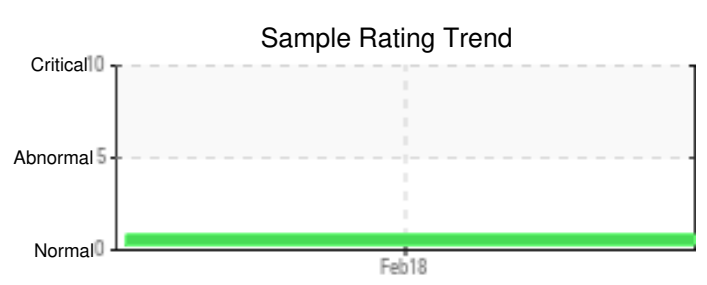
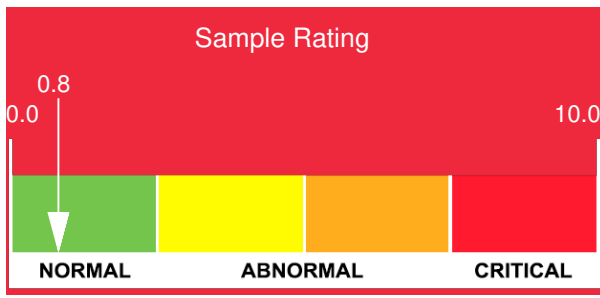
Customer: PTRHTF20133	System Information	Sample Information
ATHABASCA OIL CORP. LEISMER DEMONSTRATION PLANT LSD2-79-10-W4M NEAR CONKLIN, AB Canada Attn: George Ball Tel: x: E-Mail: gball@atha.com	System Volume: 8000 ltr Bulk Operating Temp: 212F / 100C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO LT Make:	Lab No: 02199767 Analyst: Peter Harteveld Sample Date: 02/01/18 Received Date: 02/21/18 Completed: 02/28/18 To discuss this report contact Peter Harteveld at (780)967-4234

Recommendation: The fluid is in good condition and suitable for further use. Please re-sample in 6 months.

Comments:

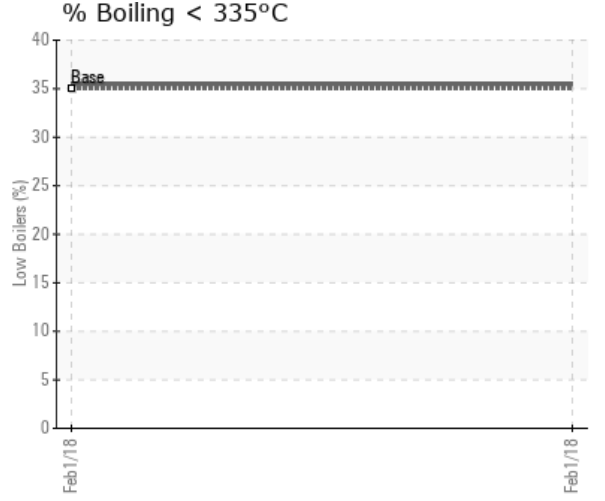
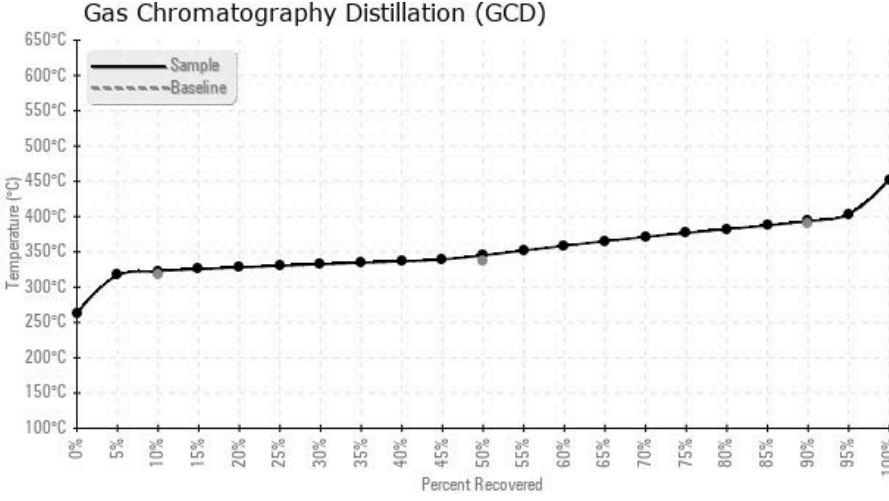
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
02/01/18	02/21/18	3y		342 / 172	7.0	7.6	0.03	0.006	613 / 323	653 / 345	740 / 394	35.48
Baseline Data				349 / 176		7.52	0.1		604 / 318	640 / 338	734 / 390	35.0





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	
02/01/18	7	0	0	0	0	0	1	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	191	0	
Baseline Data			0	0						0			0	0					0					270	

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



Historical Comments

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