

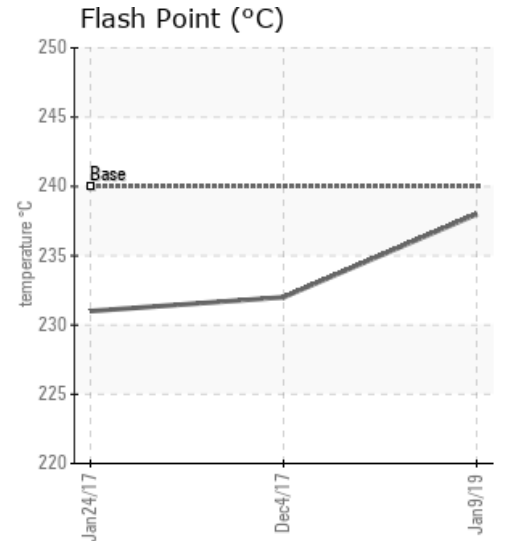
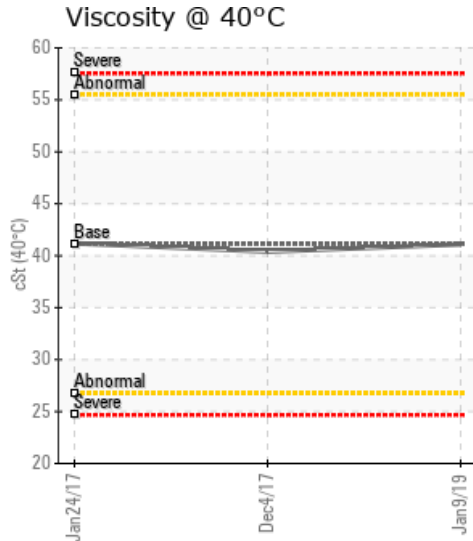
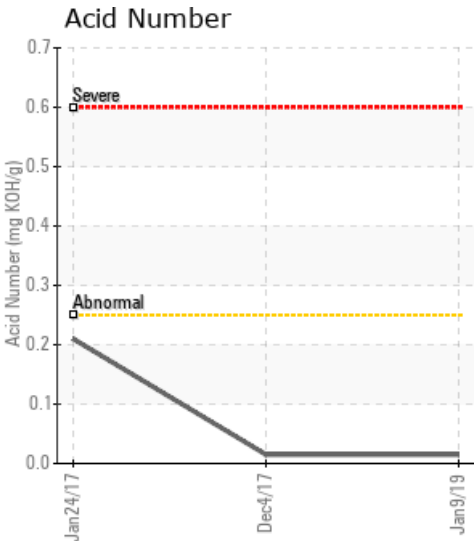
[CRESCENT POINT ENERGY / 13-19-6-9W2] SEEP HOT OIL SYSTEM

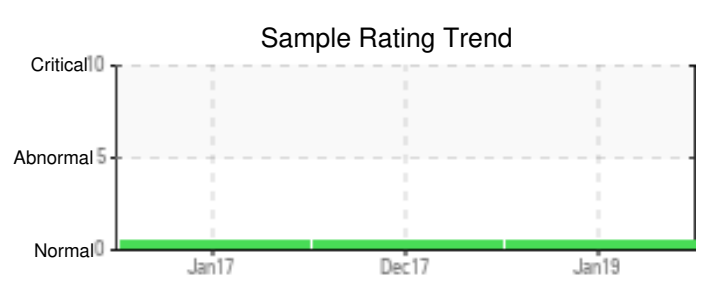
Customer: PTRHTF20180	System Information	Sample Information
CRESCENT POINT ENERGY 801 RAILWAY AVE W CARLYLE, SK S0C 0R0 Canada Attn: Jared Garnier Tel: E-Mail: jgarnier@crescentpointenergy.com	System Volume: 15000 ltr Bulk Operating Temp: 366F / 186C Heating Source: Blanket: Fluid: CHEVRON HEAT TRANSFER OIL 46 Make: GTS	Lab No: 02262634 Analyst: Kevin McDermott Sample Date: 01/09/19 Received Date: 01/16/19 Completed: 01/17/19

Recommendation: Fluid remains in very good condition with almost no change since the previous sample in Dec 2017. Recommend to continue with annual sampling to proactively monitor fluid condition.

Comments:

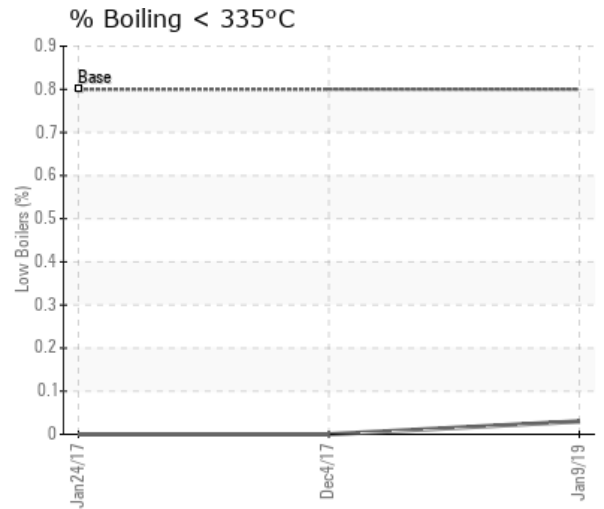
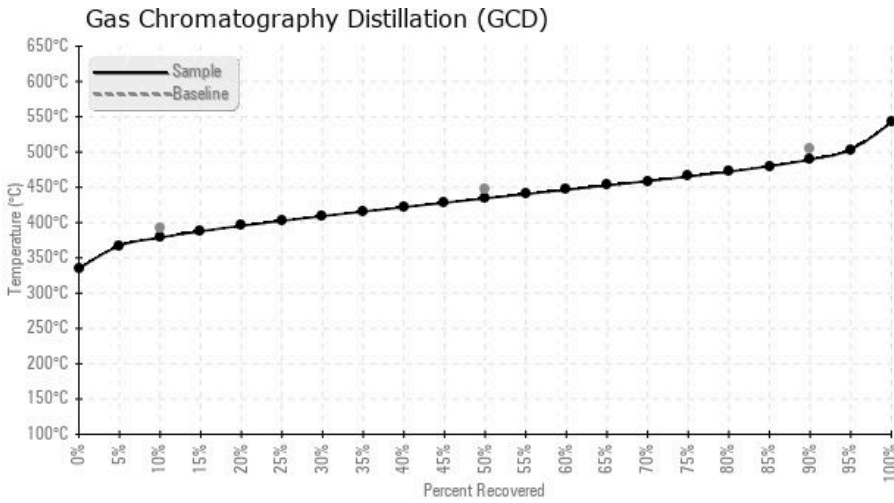
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
01/09/19	01/16/19	0m		460 / 238	0.00	41.1	0.015	0.073	714 / 379	814 / 434	913 / 489	0.03
12/04/17	12/08/17	27m		450 / 232	25.1	40.4	0.015	0.040	740 / 393	841 / 449	935 / 502	0.00
01/24/17	01/27/17	18m	PROCESS REBOILER BD	448 / 231	5.4	41.2	0.21	0.028	740 / 393	838 / 448	937 / 503	0.00
Baseline Data				464 / 240		41.1			739 / 393	836 / 447	941 / 505	0.8





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
01/09/19	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12/04/17	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01/24/17	18	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1
Baseline Data			0	0						0			0	0					0				0	

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



Historical Comments	
12/04/17	Fluid remains in very good condition. Very little change since the January 24, 2017 sample. Suggest to continue with annual sampling.
01/24/17	Fluid is in excellent condition. To be proactive suggest submitting samples annually or sooner but only if system conditions become severe.

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