

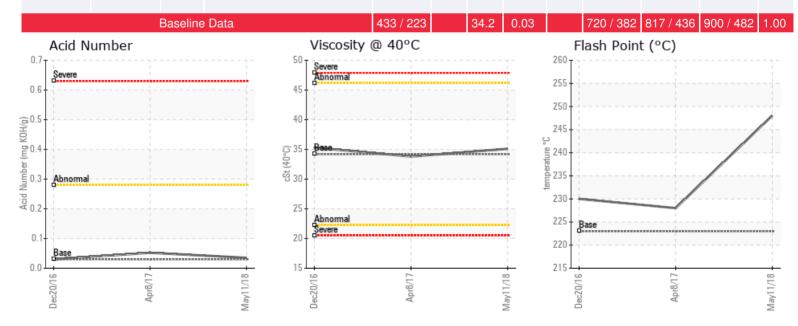
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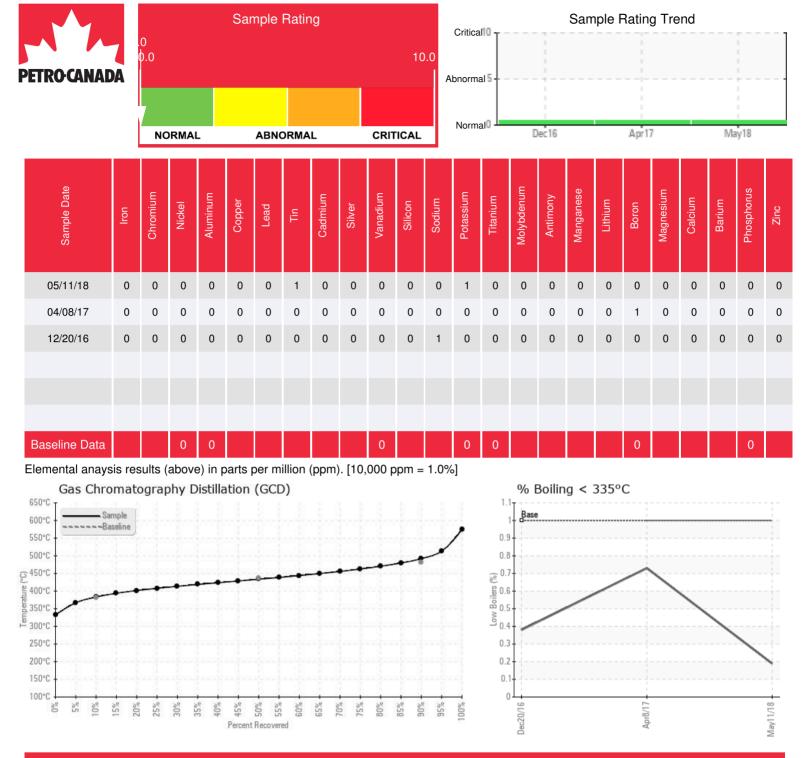
System Volume: 20000 ltr Bulk Operating Temp: 401F / 205C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: RUSHTON Lab No: 02219320 Analyst: Clinton Buhler Sample Date: 05/11/18 Received Date: 05/30/18 Completed: 06/12/18 To discuss this report contact Clinton Buhler at 780-516-9920

Recommendation: Unit 1850 sample results from May 11, 2018 indicate the fluid is suitable for continued service. At time of this sample review, it is known that the this system has been contaminated with condensate since the sample was drawn on May 11. Results of sample drawn June 8, 2018 will be reviewed once available.

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	%
05/11/18	05/30/18	18m		478 / 248	8.2	35.1	0.035	0.028	722 / 383	812 / 434	917 / 492	0.19
04/08/17	05/26/17	5m	HEATER SIGHT GLASS	442 / 228	52.3	33.8	0.052	0.047	722 / 384	814 / 434	903 / 484	0.73
12/20/16	01/05/17	0m		446 / 230	123.3	35.3	0.030	0.060	724 / 385	816 / 436	905 / 485	0.38





Historical Comments

04/08/17	Please ensure all sample registration information is included, such as system volume and if there is blanket gas in use and system age. Fluid is suitable for continued service. Check to ensure blanket gas is in use. Re-sample in 6-12 months
12/20/16	Fluid is in Good condition. Resample in 6 months.

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