

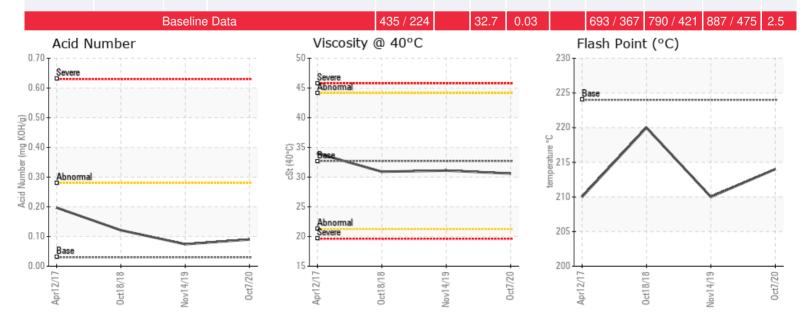
TK55100

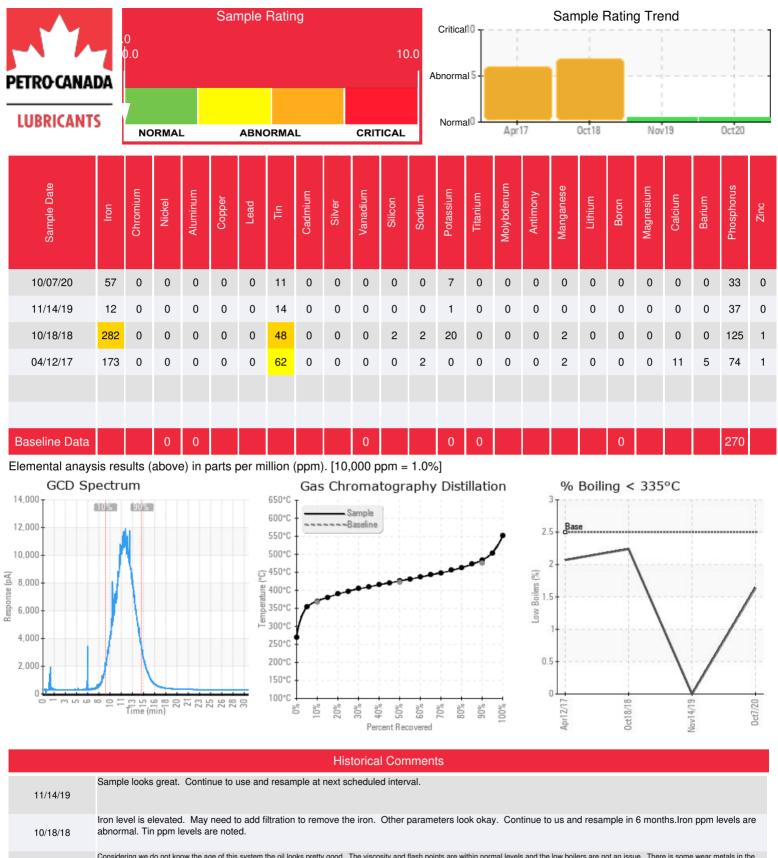
Customer: PTRHTF10150	System Information	Sample Information
PMC ORGANOMETALLIX	System Volume: 0 gal	Lab No: 02385355
2316 HIGHLAND AVE	Bulk Operating Temp: 450F / 232C	Analyst: Joe Goecke
CARROLLTON, KY 41008 USA	Heating Source:	Sample Date: 10/07/20
Attn: Alan Jackson	Blanket:	Received Date: 11/04/20
Tel: (502)732-4411	Fluid: PETRO CANADA CALFLO AF	Completed: 11/06/20
E-Mail: alan.jackson@pmc-group.com	Make:	Joe Goecke
		Joe.goecke@petrocanadalsp.com

Recommendation: Noticeable free water in the sample should be drained from the system. All other parameters look good and fluid can continued to be used. Resample at next scheduled 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	%
10/07/20	11/04/20	0y		417 / 214	74.0	30.6	0.09	0.114	697 / 370	798 / 426	903 / 484	1.64
11/14/19	01/09/20	0y		410 / 210	17.5	31.1	0.074	0.173	700 / 371	796 / 425	898 / 481	0.00
10/18/18	12/03/18	5у		428 / 220	35.2	30.9	0.121	0.331	687 / 364	792 / 422	900 / 482	2.24
04/12/17	06/07/17	10y		410 / 210	40.8	34.0	0.197	0.187	693 / 367	803 / 429	913 / 490	2.07





04/12/17 Considering we do not know the age of this system the oil looks pretty good. The viscosity and flash points are within normal levels and the low boilers are not an issue. There is some wear metals in the system and as noted the Tin is high which could cause additional wear. But since we do not have history we do not know how long this has been high. Other than that the system is suitable for further use. To get on a good monitoring program I recommend cleaning and flushing the system within the next 6-12 months then take samples every 6 months for 18 months then yearly after that. Tin ppm levels are severe. (GCD) 90% Distillation Point is marginally high.

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