

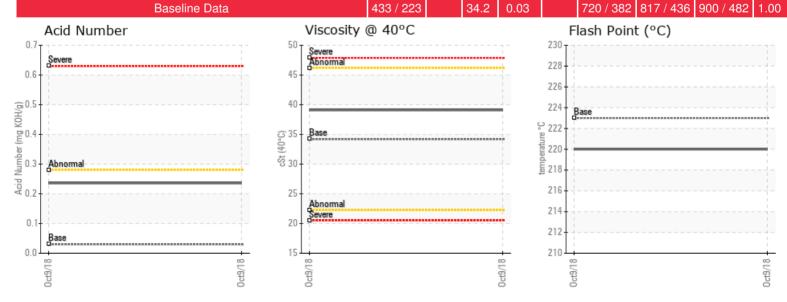
PRIMARY PUMP BOILER LOOP

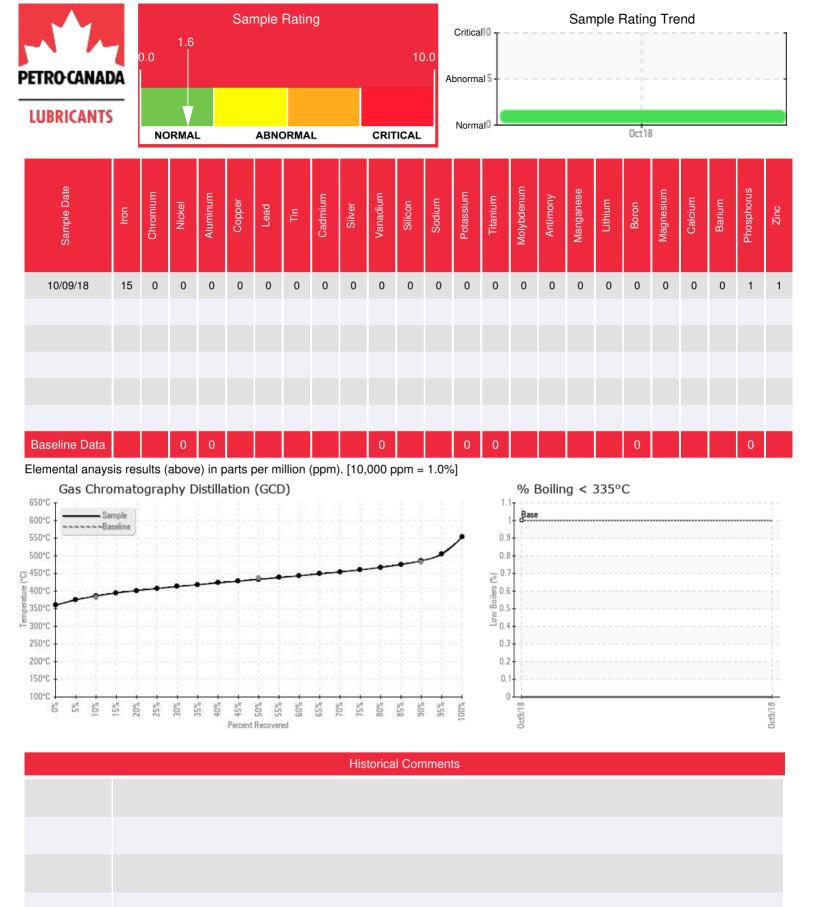
Customer: PTRHTF20102	System Information	Sample Information			
SAVONA SPECIALTY PLYWOOD	System Volume: 1400 gal	Lab No: 02245583			
7273 KAMLOOPS LAKE DRIVE	Bulk Operating Temp: 932F / 500C	Analyst: Rob Spiller			
SAVONA, BC V0K 2J0 CANADA	Heating Source:	Sample Date: 10/09/18			
Attn: Mike Reid	Blanket:	Received Date: 10/17/18			
Tel: (250)373-5660	Fluid: PETRO CANADA PETRO-THERM	Completed: 10/18/18			
E-Mail: mikereid@apgroup.ca	Make:	To discuss this report contact Rob Spiller			
		at (250)362-7638			

Recommendation: Fluid looks in good condition overall. There is a larger than expected amount of pentane insolubles. These solid deposits may have been left in areas of the system when the boiler work was done, approximately 2 yrs ago. Recommend to continue sampling every 6-12 months to monitor fluid condition, and to track if solid content is increasing. Also recommend discussing options for filtration of solids in the system.

Comments: Pentane Insolubles levels are severely 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	%
10/09/18	10/17/18	Oy		428 / 220	10.0	39.1	0.236	0.691	727 / 386	812 / 433	907 / 486	0.00





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