

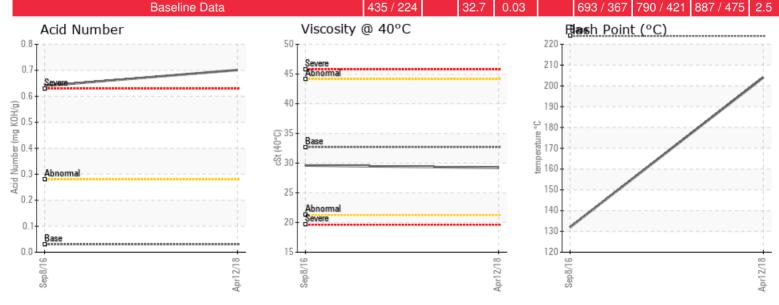
## **STARLING-LWF PREHEATER 0738**

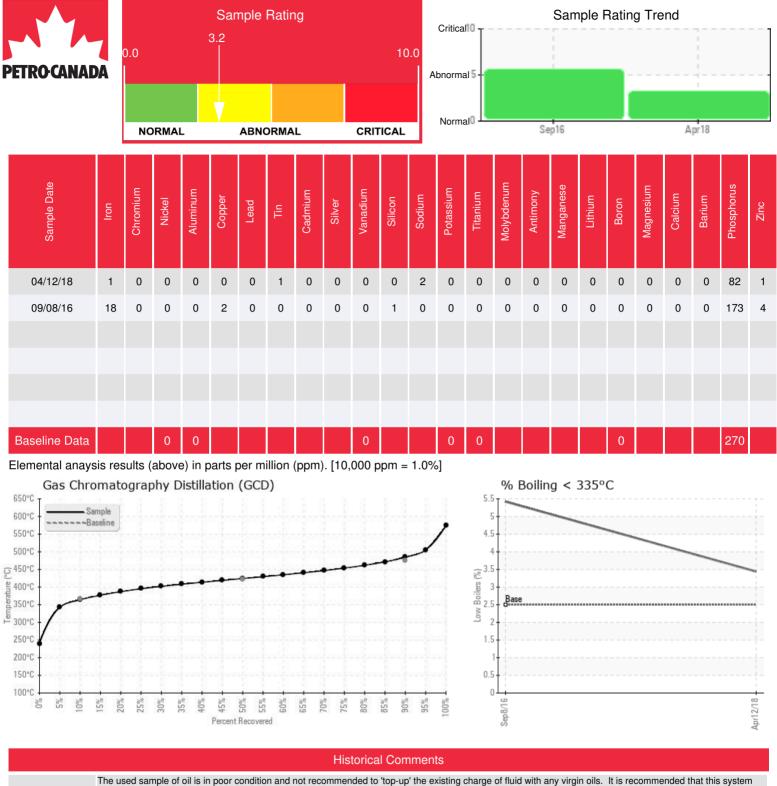
Customer: PTRHTF30095	System Information	Sample Information			
HP Pelzer	System Volume: 30 gal	Lab No: 02211310			
115 Industrial Way	Bulk Operating Temp: 420F / 216C	Analyst: Manny Garcia			
Athens, TN 37303 USA	Heating Source:	Sample Date: 04/12/18			
Attn: Conway Tabor	Blanket:	Received Date: 04/20/18			
Tel: (423)333-9402	Fluid: PETRO CANADA CALFLO AF	Completed: 04/26/18			
E-Mail: ctabor@hppelzer.com	Make: STERLING	To discuss this report contact Manny			
		Garcia at 954-384-7259			

Recommendation: Acid levels have increased slightly over the last sample received ~19 months ago. The flash point is back in line as well as the distillation point at 90%. Fluid is suitable for continued use. Must monitor the acid levels.

Comments: Acid Number (AN) is 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	%
04/12/18	04/20/18	0m		399 / 204	22.3	29.2	0.701	0.184	687 / 364	796 / 424	904 / 485	3.44
09/08/16	09/14/16	2m	<b>RETURN HOSE</b>	270 / 132	60.0	29.6	0.640	0.091	701 / 372	812 / 433	910 / 488	5.42





09/08/16 have the oil drained, system flushed and re-filled with premium Petro-Canada Heat Transfer Fluids.Acid Number (TAN) is severely high. COC Flash Point is severely low and at very dangerous levels. (GCD) 90% Distillation Point is marginally high. Very light visible debris in the oil sample.

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