

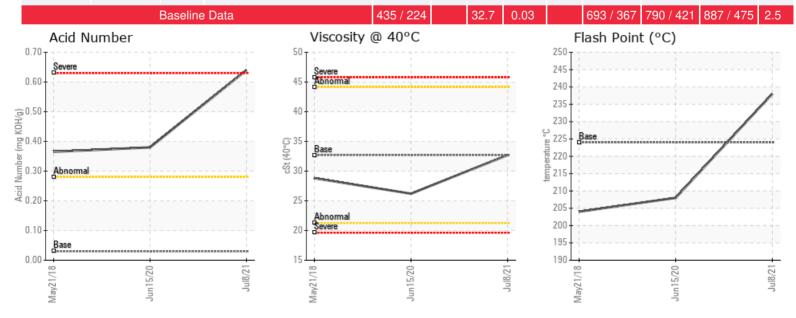
[7K AREA] 009-HE-104

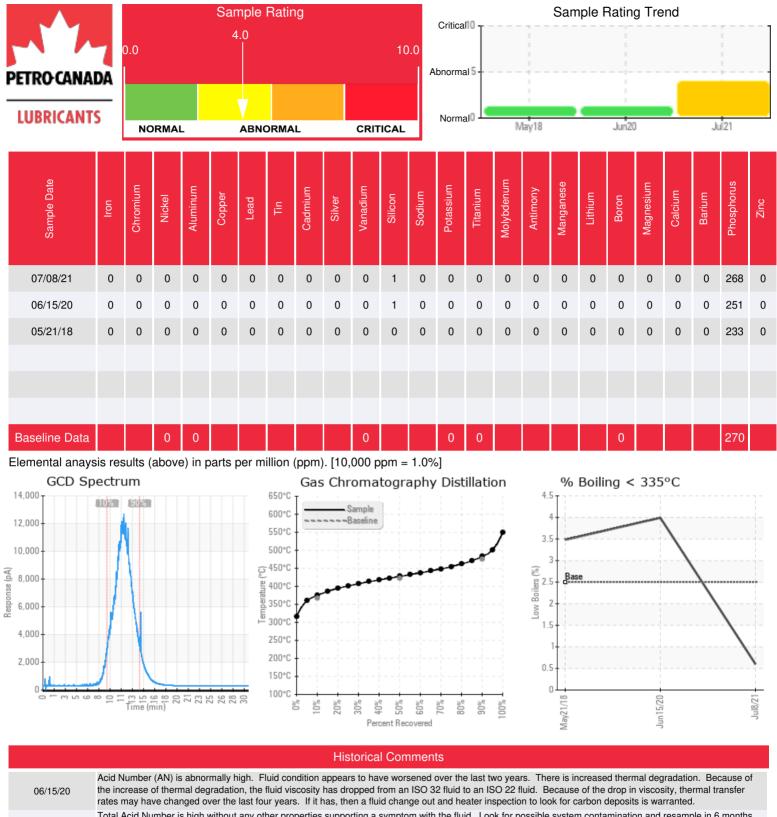
Customer: PTRHTF10177	System Information	Sample Information			
Materia Inc	System Volume: 300 g	Lab No: 02434452			
7629 State Hwy 75 South	Bulk Operating Temp: 320F / 160C	Analyst: Garrett Bapp			
Huntsville, TX 77340 USA	Heating Source:	Sample Date: 07/08/21			
Attn: Robert Durr	Blanket:	Received Date: 07/22/21			
Tel: (713)447-9561	Fluid: PETRO CANADA CALFLO AF	Completed: 08/12/21			
E-Mail: rdurr@materia-inc.com	Make:	Garrett Bapp			
-		Garrett.Bapp@hollvfrontier.com			

Recommendation: Sample acid number is severely high. Recommended to change fluid at earliest convenience.

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	%
07/08/21	07/22/21	2.0y	STORAGE TANK	460 / 238	18.9	32.7	0.64	0.098	706 / 375	801 / 427	901 / 483	0.60
06/15/20	06/25/20	4.0y	TANK	406 / 208	8.8	26.2	0.38	0.105	685 / 363	793 / 423	891 / 477	3.99
05/21/18	06/06/18	0.0y		399 / 204	9.0	28.8	0.365	0.084	686 / 364	793 / 423	890 / 477	3.48





Total Acid Number is high without any other properties supporting a symptom with the fluid. Look for possible system contamination and resample in 6 months. 05/21/18 Acid Number (AN) is abnormally high.

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