

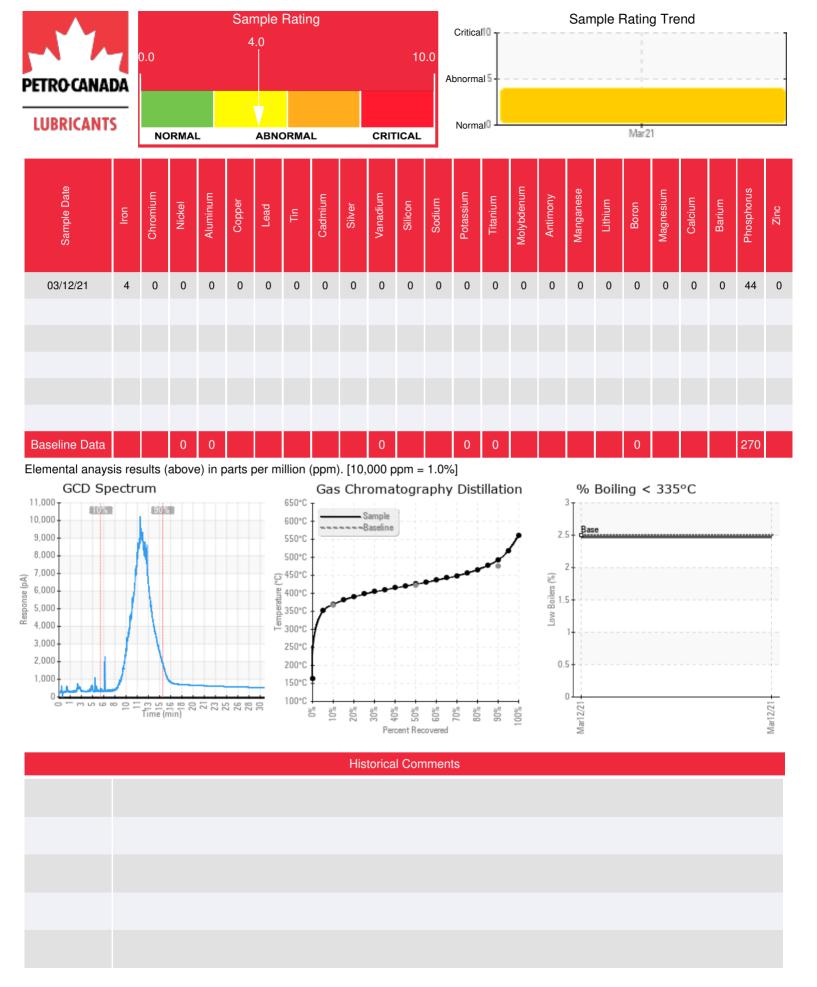
## **MONO LINE 1**

Customer: PTRHTF10161	System Information	Sample Information
Euclid Chemical	System Volume: 100 gal	Lab No: 02410566
3361 North Hwy 27	Bulk Operating Temp: 425F / 218C	Analyst: Jake Finn
Lafayette, GA 30728 USA	Heating Source:	Sample Date: 03/12/21
Attn: David Chapman	Blanket:	Received Date: 03/22/21
Tel:	Fluid: PETRO CANADA CALFLO AF	Completed: 04/13/21
E-Mail: dchapman@euclidchemical.com	Make:	Jake Finn
		jake.finn@hollyfrontier.com

Recommendation: Fluid shows no signs of wear or contamination, but acid number is severely high indicating the fluid has experienced significant thermal degradation and oxidation. Replacing the current fluid with fresh Calflo AF heat transfer fluid is recommended at this time to avoid corrosion within the system and ensure the fluid heat transfer properties remain in tact. Once system is charged with new fluid, feel free to submit a sample of new fluid to establish a new base line for future analysis.

Comments: Acid Number (AN) is severely high. (GCD) 90% Distillation Point is abnormally high.





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