

[3-6-39-11W5] TAQA

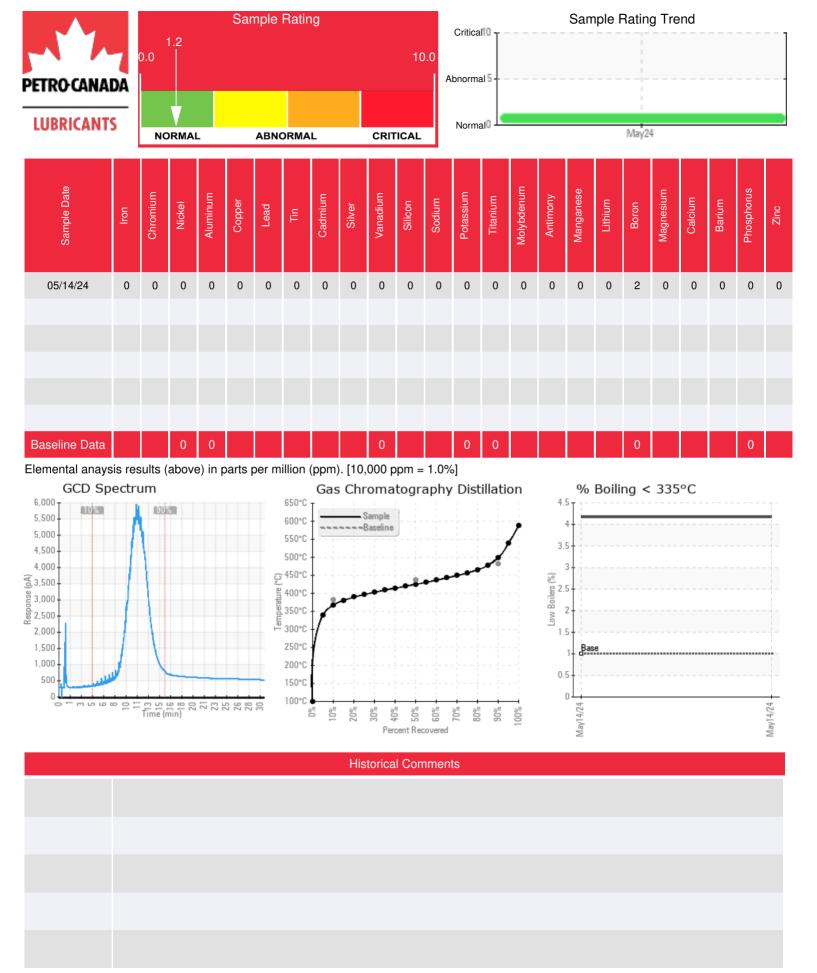
Customer: PTRHTF20072	System Information	Sample Information
TAQA NORTH	System Volume: 8000 ltr	Lab No: 02637028
326 BEAR BERRY ROAD	Bulk Operating Temp: 383F / 195C	Analyst: Lyle Dach
SUNDRE, AB TOM 1X0 CA	Heating Source:	Sample Date: 05/14/24
Attn: Darren Foster	Blanket:	Received Date: 05/22/24
Tel: (403)845-8093	Fluid: PETRO CANADA PETRO-THERM	Completed: 05/31/24
E-Mail: Darren.foster@taga.ca	Make:	Lyle Dach
		lyle.dach@HFSinclair.com

Recommendation: The viscosity is higher than expected vs new fluid, likely causes would be oxidation or the addition of a different fluid; ensure blanket gas is functioning properly. As the fluid oxidizes we can expect an increase in viscosity, acid number, COC flash point, and rising GCD at 10% and 90%. Resample in 12 months.

Comments: (GCD) 90% Distillation Point is abnormally high. Visc @ 40°C is abnormally high.



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