



[BRAZEAU LOAD 3 / LSD: 9-6-63-25-W5] TANK TRUCK 2 - OFFLOAD INTO RE3 TANK

Customer: PTRHTF20187

KEYERA ENERGY- SIMONETTE GAS

PLANT PO BOX 58

VALLEYVIEW, AB T0H 3N0 Canada

Attn: Iain Hamilton Tel: (403)651-2408

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System Information

System Volume: 23000 ltr

Bulk Operating Temp: Not Specified

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make:

Sample Information

Lab No: 02425931 Analyst: Clinton Buhler Sample Date: 05/19/21 Received Date: 06/08/21 Completed: 06/14/21

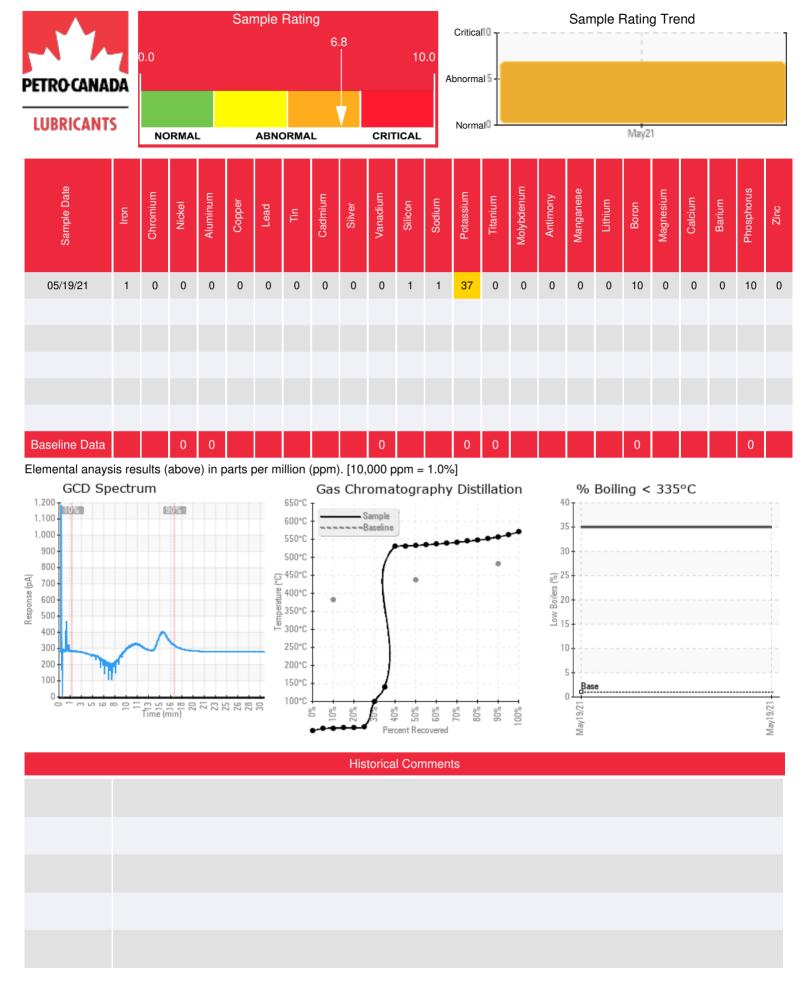
Clinton Buhler

Clinton.Buhler@hollyfrontier.com

Recommendation: *** NOTE: This sample was 90% free water...not enough oil for complete testing ***If this sample is representative of the fluid in the tank, it is not suitable for service. Remove all water from tank and thermal fluid and re-sample.

Comments: Water contamination levels are severely high. Water contamination levels are severely high. ppm Water contamination levels are severely high. Potassium ppm levels are abnormally high. (GCD) % < 335°C is severely high. (GCD) 50% Distillation Point is severely high. (GCD) 10% Distillation Point is severely low.

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	%
05/19/21	06/08/21	0.0h	Tank truck 2 - deliv		8144.5				78 / 25	991 / 533	1033 / 556	35.00
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00



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