



RF04 SPIN GROUP A

Customer: PTRHTF10057

PROPEX RINGGOLD PLANT 428 ROLLINS INDUSTRIAL BLVD RINGGOLD, GA 30736 USA Attn: STEWART DOMAINGUE

Tel: (423)553-3843

E-Mail:

stewart.domaingue@propexglobal.com

System Volume: 30 gal

Bulk Operating Temp: 400F / 204C

System Information

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make:

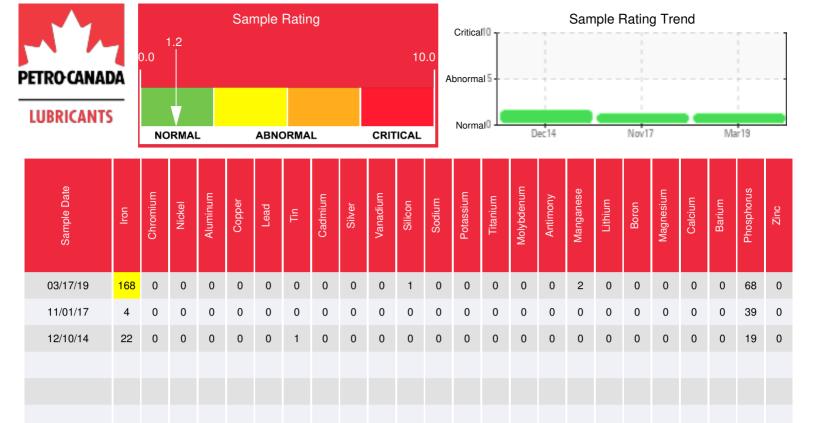
Sample Information

Lab No: 02275655 Analyst: Jake Finn Sample Date: 03/17/19 Received Date: 03/27/19 Completed: 04/11/19

Recommendation: Consider changing filters or kidney-loop filtering the fluid during any shutdown periods to remove iron wear particles and any 'light debris' as seen by the lab. Oil is otherwise suitable for continued use, please re-submit sample in 1 year.

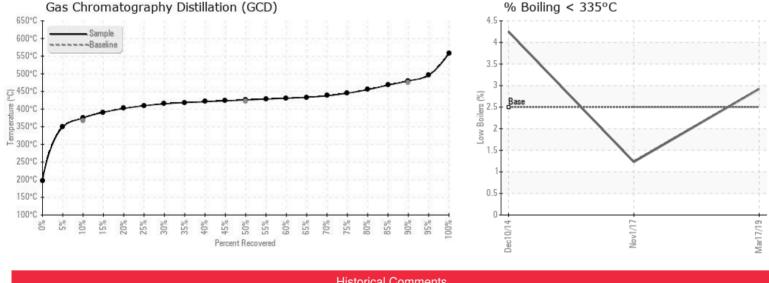
Comments: Iron levels have increased to 168 ppm. Viscosity has slightly decreased to 21.2 cSt @ 40°C. Flash point has improved since last sample. Please remember to include hours of use on oil and age of hot oil system when submitting samples for testing. Visc @ 40°C is abnormally low.





Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

Baseline Data



Historical Comments

Oil suitable for continued use. Please re-submit sample in 1-yearLow Wear Metals; Low Contamination Levels; 21.4ppm water - low; very low acid numbers; 23.4 CsT @40oC Viscosity; COC Flash Point is marginally low (191 oC), but higher then it was during the last sample (3 years ago) by 7oC. Very Light Debris visible

Visc @ 40°C is severely low ~50% reduction. COC Flash Point is marginally low, yet in an acceptable range. Please verify the Heat Transfer oil being used as make up is Calflo AF and not another oil. Send in next oil sample during the scheduled interval

Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.