

RF03 GODET 1A&1B OIL BOILER

Customer: PTRHTF10057

PROPEX RINGGOLD PLANT 428 ROLLINS INDUSTRIAL BLVD RINGGOLD, GA 30736 USA

Attn: MITCH HELTON Tel: (423)553-3723

E-Mail: MITCH.HELTON@PROPEXGLO

BAL.COM

System Information

System Volume: 30 gal

Bulk Operating Temp: 400F / 204C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make:

Sample Information

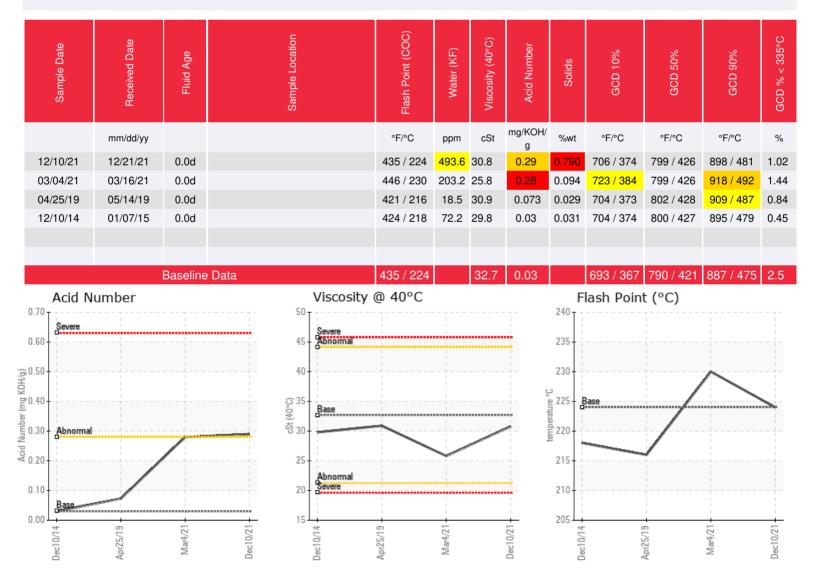
Lab No: 02463469 Analyst: Jake Finn Sample Date: 12/10/21 Received Date: 12/21/21 Completed: 12/28/21

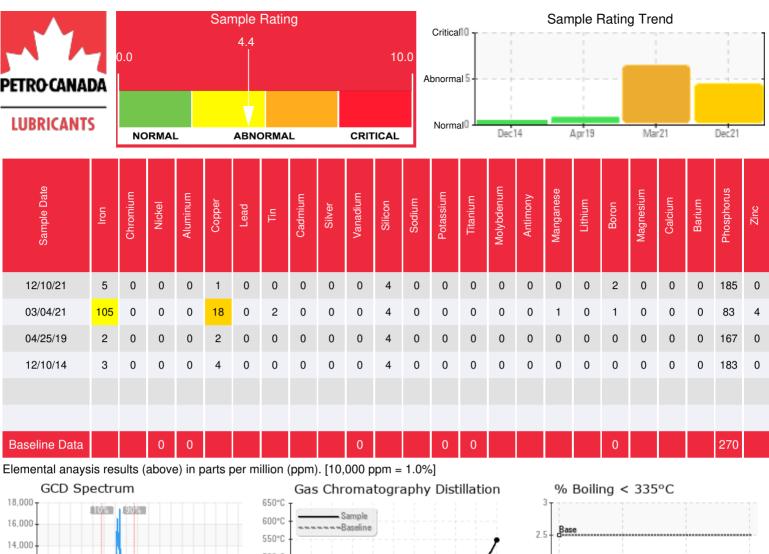
Jake Finn

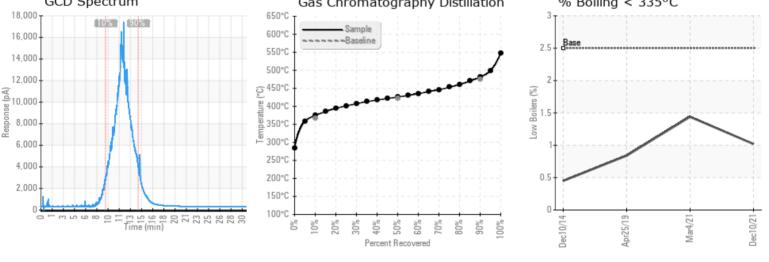
jake.finn@hollyfrontier.com

Recommendation: Acid number and Pentane Insolubles levels are elevated, viscosity has increased, and this sample indicates the fluid is also contaminated with water. There is no current indication of component wear in the system but if the fluid condition does not improve, the risk of sludge/varnish in the system will continue to increase. Consider changing this fluid, and cleaning the system if possible to remove any residual deposits. Once system is clean and filled with new Calflo AF, water can be removed by maintaining a temperature of 212F in the expansion tank if possible.

Comments: Pentane Insolubles levels are severely high. Water contamination levels are marginally high. Acid Number (AN) is abnormally high.







Historical Comments Signs of iron and copper wear are present in this sample. These can accelerate oxidation in the fluid and should be removed to avoid further degradation. Acid number and GCD distillation points indicate the fluid is experiencing oxidation. We recommend to check filters to ensure they are working properly and investigate the source of copper and iron. A partial drain and refill may lower acid number to normal levels once the issue has been addressed, but a full system flush and refill is likely the best solution. Feel free to resubmit a new sample once fluid maintenance has been performed or new fluid is added to establish a new baseline. Copper ppm levels are abnormal. Iron ppm levels are marginal. Acid Number (AN) is severely high. (GCD) 90% Distillation Point is abnormally high. (GCD) 10% Distillation Point is marginally high. Oil is suitable for continued use, please re-submit sample in 1 year. Please remember to include hours of use on oil and age of hot oil system when submitting samples for testing.(GCD) 90% Distillation Point is marginally high. This used oil analysis is in very good condition. Low wear metals, Low TAN, Low Water count, low solids and the viscosity is perfect along with the COC Flash Point. Please submit next 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.