

[Cenovus / LSD 6-20-49-18W5] H55002

Customer: PTRHTF20039

BRENNTAG CANADA INC 3124-54TH AVENUE SE CALGARY, AB T2C 0A8 CA

Attn: Matthew Kryska

Tel:

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System Information

System Volume: 23000 ltr

Bulk Operating Temp: 417F / 214C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: ALCO

Sample Information

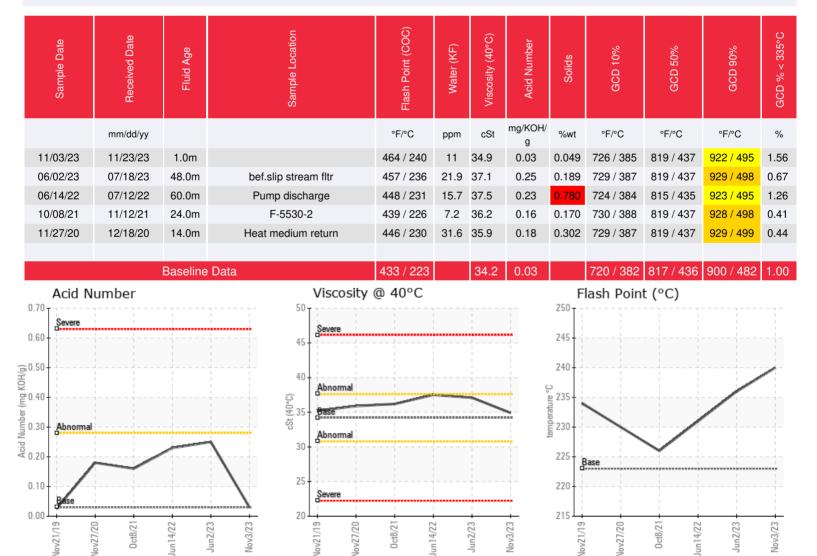
Lab No: 02598610 Analyst: Lyle Dach Sample Date: 11/03/23 Received Date: 11/23/23 Completed: 11/30/23

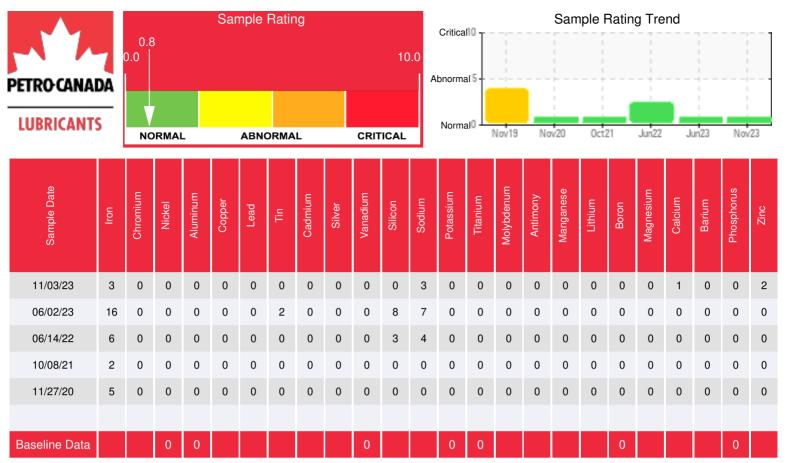
Lyle Dach

lyle.dach@HFSinclair.com

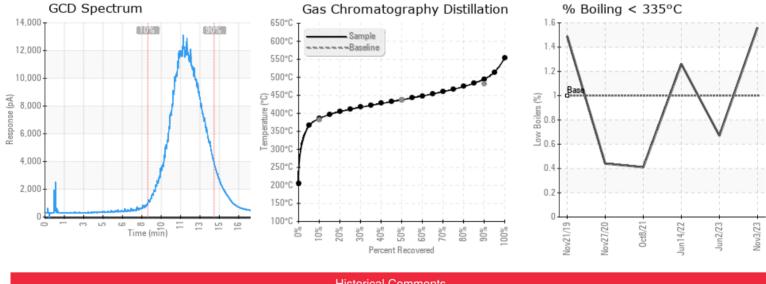
Recommendation: Sample results indicate that the fluid is in suitable condition for continued service. Sulfur has climbed from the last samples, has there been any changes to the system or new fluid top ups? Resample in 12 months.

Comments: (GCD) 90% Distillation Point is marginally high.





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



Historical Comments	
06/02/23	Sample results indicate that the fluid is in suitable condition for continued service. Resample in 12 months. (GCD) 90% Distillation Point is abnormally high.
06/14/22	Pentane insolubles are beyond recommended limit, all other parameters are at safe levels. Resample to confirm this test levels. Please ensure the sample lines are purged properly and watch for external contamination when collecting samples. Pentane Insolubles levels are severely high. (GCD) 90% Distillation Point is marginally high.
10/08/21	Sample results indicate that the fluid is in suitable condition for continued service. 90% distillation point is slightly high ensure blanket gas is on and functioning properly. Resample in 12 months. (GCD) 90% Distillation Point is abnormally high.
11/27/20	Fluid is in very good condition overall. The GCD 90% is a little higher than normal which is likely caused by some oxidation that has taken place - not severe. Continue to submit annual samples to proactively monitor fluid condition.

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