

## [Cenovus / LSD 6-20-49-18W5] H55001

## Customer: PTRHTF20039

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

Attn: Matthew Kryska

Tel:

E-Mail: mkryska@brenntag.ca

## System Information

System Volume: 37000 ltr

Bulk Operating Temp: 417F / 214C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: ALCO

## Sample Information

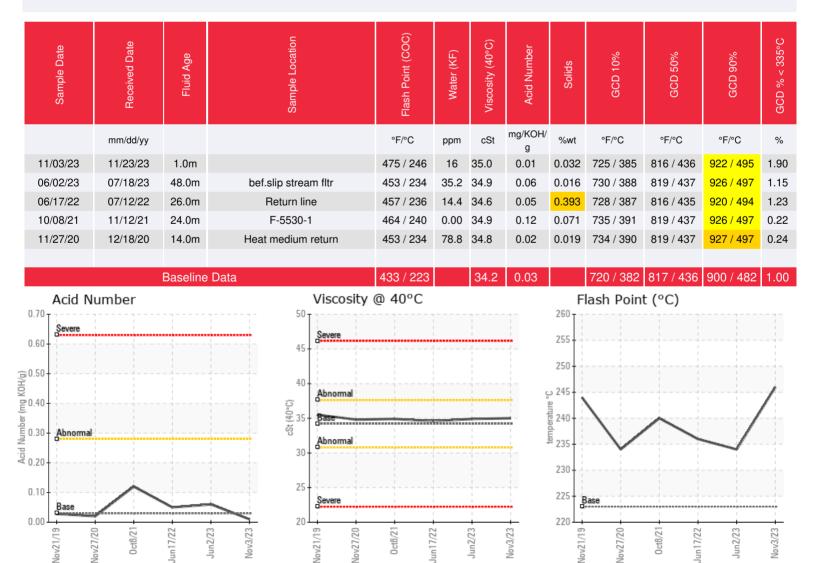
Lab No: 02598609 Analyst: Lyle Dach Sample Date: 11/03/23 Received Date: 11/23/23 Completed: 11/28/23

Lyle Dach

lyle.dach@HFSinclair.com

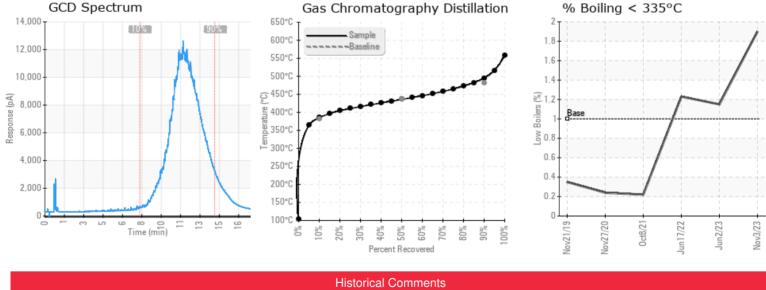
Recommendation: Sample results indicate that the fluid is in suitable condition for continued service. Resample in 12 months.

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 marginally high.
06/17/22	Pentane insolubles are increased, 90% distillation is still slightly raised but is down from last sample. Ensure sample piping is purged and avoid external contaminates when collecting samples. Resample in 6 months. Pentane Insolubles levels are abnormally 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 marginally 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.

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.