

## [Pembina Kakwa 8-13-63-5W6] Phase 2 Heat Medium

## Customer: PTRHTF20062

Pembina Gas Services

GRANDE PRAIRIE, AB T8V 7K2 Canada

Attn: Nicolas Brooks Tel: (403)874-8047

E-Mail: nbrooks@pembina.com

## System Information

System Volume: 84000 ltr

Bulk Operating Temp: 482F / 250C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make: HEATECH

## Sample Information

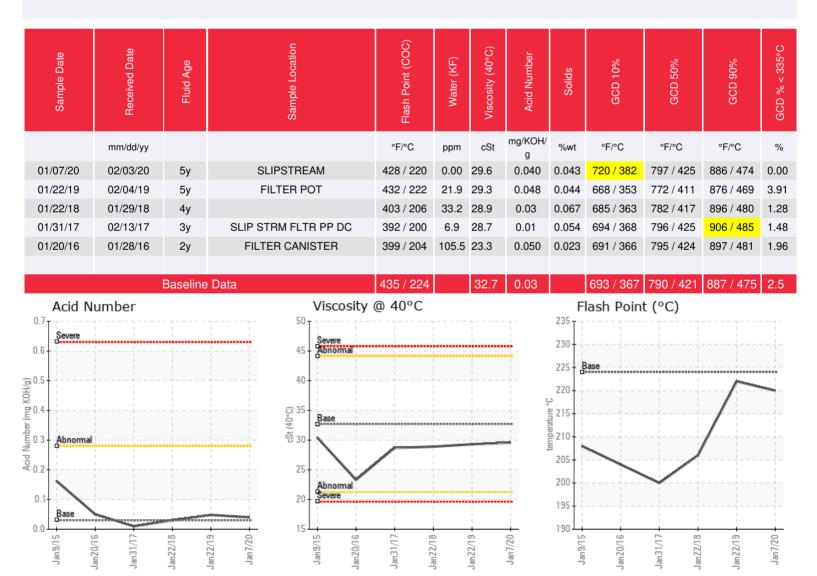
Lab No: 02335524 Analyst: Clinton Buhler Sample Date: 01/07/20 Received Date: 02/03/20 Completed: 02/20/20

Clinton Buhler

Clinton.Buhler@PetroCanadaLSP.com

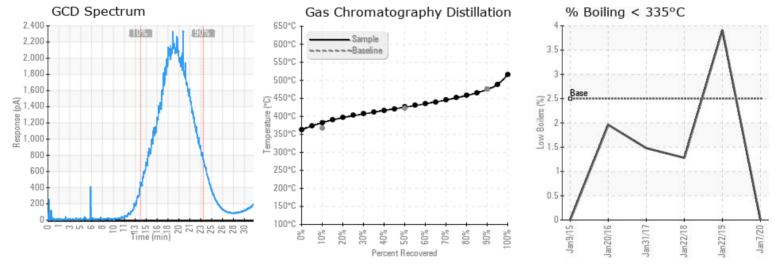
Recommendation: Sample results indicate that the fluid is suitable for continued service. Please re-sample in 12 months

Comments: (GCD) 10% Distillation Point is marginally high.





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



Historical Comments	
01/22/19	Sample results indicate the fluid is suitable for continued service. Please re-sample in 12 months
01/22/18	Sample results indicate that the fluid is suitable for continued service. Consider sampling again in 12 months.
01/31/17	(GCD) 90% Distillation Point is marginally high. TAN and Viscosity are within spec. Flash point is marginally lower then normal however fluid is suitable for continued use. Resample in 6 months. (GCD) 90% Distillation Point is marginally high.
01/20/16	Oil looks fine and is suitable for continued use.

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.