

# [PEMBINA / LSD 8-13-63-5W6] PHASE #4 HEAT MEDIUM

#### Customer: PTRHTF20062

Pembina Gas Services

GRANDE PRAIRIE, AB T8V 7K2 CA

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## System Information

System Volume: 40000 ltr

Bulk Operating Temp: 500F / 260C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make: HEATECH

#### Sample Information

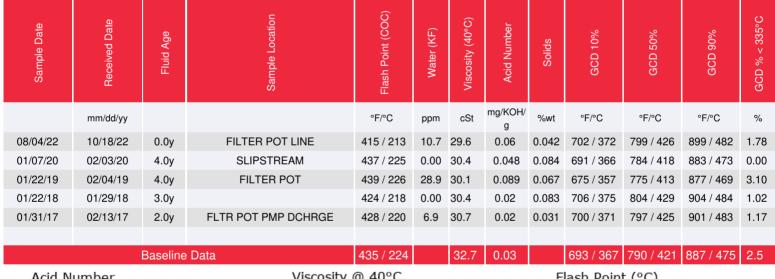
Lab No: 02516978 Analyst: Clinton Buhler Sample Date: 08/04/22 Received Date: 10/18/22 Completed: 10/24/22

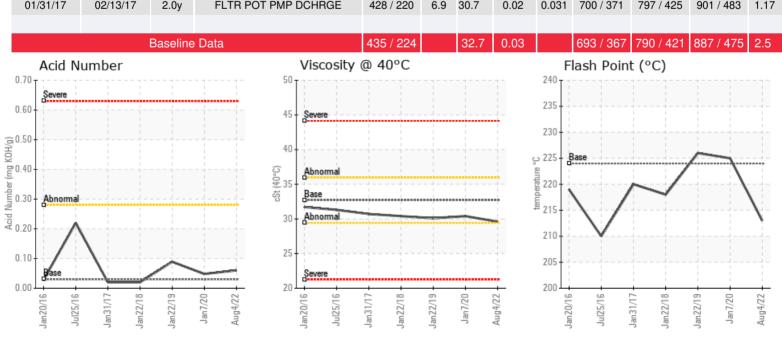
Clinton Buhler

Clinton.Buhler@HFSinclair.com

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

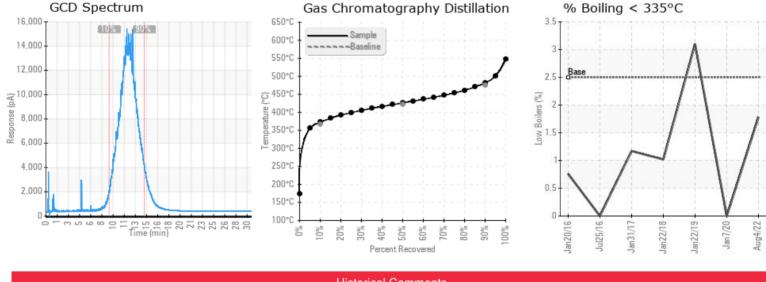
### Comments:







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



| Historical Comments |   |
|---------------------|---|
| 01/07/20            | Sample results indicate the fluid is suitable for continued service. Please re-sample in 12 months  |
| 01/22/19            | Sample results indicate that the fluid is suitable for continued service. Please note iron levels have increased from last year. This can be related to erosion or corrosion. The fluid's Acid number has increased since last year yet remains below alarm limits. Investigate source of iron. Please re-sample in 12 months Iron ppm levels are abnormal. |
| 01/22/18            | Sample results indicate that the HT fluid is healthy and suitable for continued service. However, please note the level of iron (215 PPM) in the fluid. Further investigation into the source of iron should be considered as this is abnormal. Iron ppm levels are abnormal.   |
| 01/31/17            | Sample indicates that oil is in good condition and suitable for continued use. Resample in 6 months.  |
|                     |   |

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