



# [OLDMAN PLANT-DEEPCUT LSD / 11-17-55-21W5] 11-17-55-21W5 PEYTO OLDMAN

#### Customer: PTRHTF20124

PEYTO EXPLORATION 11-17-55-21W5 BOX 7198

EDSON, AB T7E 1V4 Canada

Attn: Cory Pambrub Tel: (780)712-0217

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#### System Information

System Volume: 22000 ltr

Bulk Operating Temp: 383F / 195C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: PRESSON

### Sample Information

Lab No: 02232579 Analyst: Peter Harteveld Sample Date: 07/19/18 Received Date: 08/08/18 Completed: 08/10/18

To discuss this report contact Peter

Harteveld at (780)967-4234

Recommendation: The fluid is in good condition and suitable for further use but the Pentane Insolubles (solids) content has increased. It is now just below the reportable limit of 0.5%. Therefore it is recommended to start filtration of the fluid. The 90% GCD temperature is slightly low but not a concern at this time. Please re-sample in 6 months.

Comments: Pentane Insolubles levels are abnormally high. (GCD) 90% Distillation Point is marginally low.





07/19/18

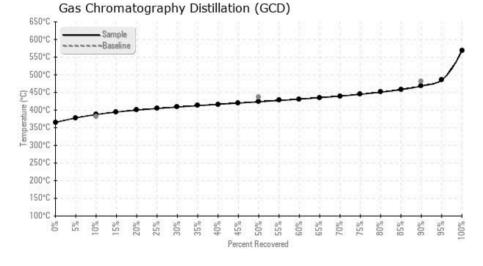
09/25/16

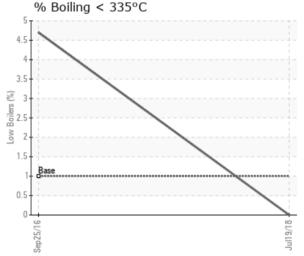
Baseline Data

09/25/16



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





## **Historical Comments**

The fluid contains too much water. TAN is high. Percentage boil-off (low boiler vapor) below 335 degrees C is elevated. Together with a decreased GCD 10% temperature this indicates thermal degradation of the fluid. It is recommended to boil-off the water by venting steam to atmosphere. This will also remove some of the low boiler vapor. Please re-sample after venting on a regular basis for a period of 3 months. Please list system volume and bulk fluid temperature when sending in the next ample. The fluid is suitable for further use. Water contamination levels are abnormally high. Water contamination levels are abnormally high. water contamination levels are abnormally high.

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