



RADIUM FURNACE 1

Customer: PTRHTF20164

CANFOR - RADIUM HOT SPRINGS 4685 FORSTERS LANDING RD Radium Hot Springs, BC V0A 1M0

Canada

Attn: Zacc Farrelle

Tel:

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System Information

System Volume: 110000 ltr

Bulk Operating Temp: 500F / 260C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: DEL-TECH

Sample Information

Lab No: 02387521 Analyst: Rob Spiller Sample Date: 11/08/20 Received Date: 11/16/20 Completed: 11/25/20

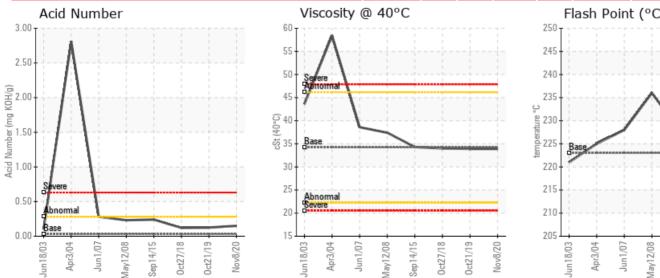
Rob Spiller

Rob.Spiller@petrocanadalsp.com

Recommendation: The fluid is in good condition overall, no significant changes from last sample. The GCD@90C show some possible signs of oxidation and thermal degradation, but not a concern at this time. The contamination of Sodium and Calcium may have originated from cleaning fluid at system startup, but should not affect the performance of the fluid. Recommend sampling system again in approximately 6 months to monitor.

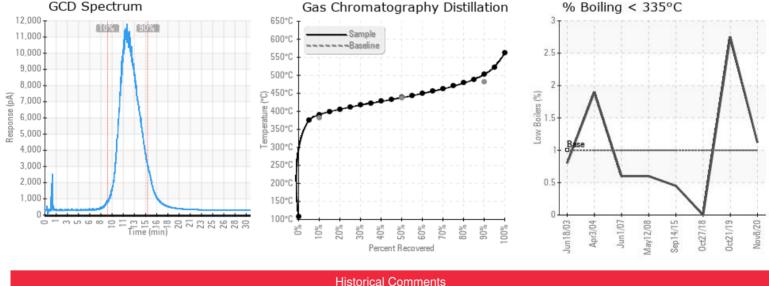
Comments: Sodium and Calcium levels are severely high. (GCD) 90% Distillation Point is abnormally high.







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



Historical Comments The fluid is in good condition overall. The Sodium (Na) and Calcium (Ca) may have originated from contamination at system startup, but should not affect the performance of the fluid. Recommend sampling system again in approximately 12 months to monitor fluid condition. Sodium ppm levels are severely high. The fluid is in good condition, no significant changes since sample from 2015. The increased GCD@90C show some signs of fluid degradation, but not a concern at this time. The Sodium and Calcium may have originated from some contamination at system startup, but should not affect the performance of the fluid.Recommend sampling system again in approximately 12 months to monitor fluid condition. Sodium and Calcium ppm levels are abnormally high. (GCD) 90% Distillation Point is high. The fluid is in good condition overall. The increased GCD@90C show some signs of oxidation and thermal degradation, but not a concern at this time. The contamination of Sodium and Calcium should and may have originated from the additives in a water based cleaning fluid at system startup, but should not affect the performance of the fluid. Recommend sampling system again in approximately 6 months to monitor. (GCD) 90% Distillation Point is high. Sodium and Calcium ppm levels are severely high.

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