

## [PROGRESS ENERGY] 049 HEAT MEDIUM B-88-I/94-B-1

### Customer: PTRHTF20039

BRENNTAG CANADA INC 3124-54TH AVENUE SE

CALGARY, AB T2A 0A8 CANADA

Attn: Toader Georgiana

Tel:

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#### **System Information**

System Volume: 2000 ltr

Bulk Operating Temp: 392F / 200C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: PROPAK

#### Sample Information

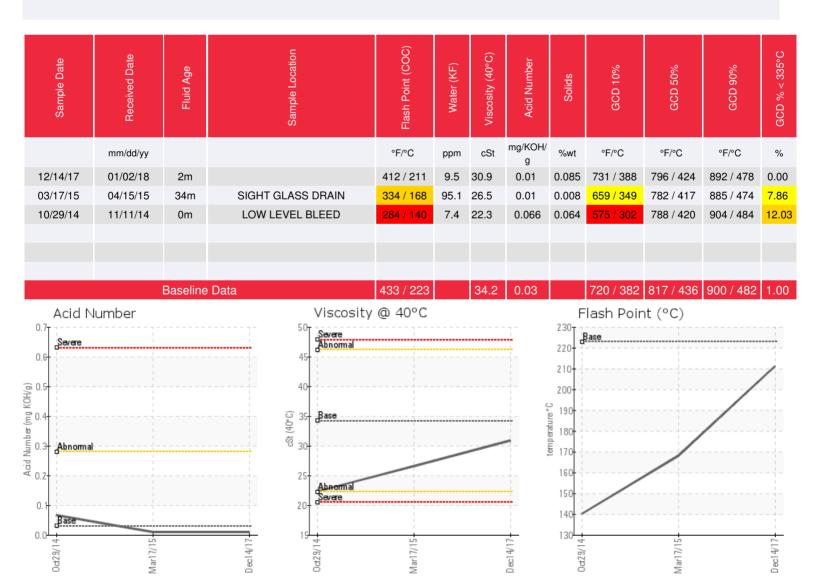
Lab No: 02190592 Analyst: Clinton Buhler Sample Date: 12/14/17 Received Date: 01/02/18 Completed: 01/12/18

To discuss this report contact Clinton

Buhler at 780-516-9920

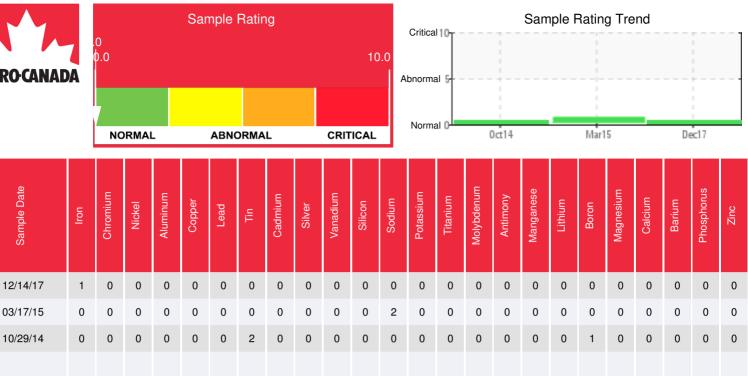
Recommendation: Please ensure complete sample registration card is filled out including unit ID, heater manufacture and model. Sample results indicate that the heat transfer fluid is suitable for continued service. Continue to monitor system operation. Re-sample in 12 months.

#### Comments:

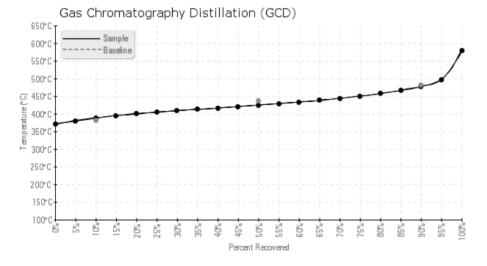


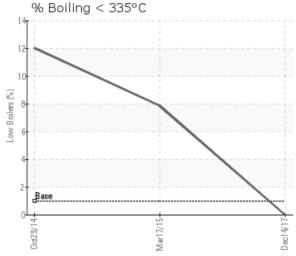


Baseline Data



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





# Historical Comments Oil Flash Point is moderately low however this sample is much better then the previous sample.GCD @ 10% has also improved from last sample. Resample in 6 months. COC Flash Point is abnormally low. (GCD) % < 335°C is marginally high. (GCD) 10% Distillation Point is marginally low. 03/17/15 Viscosity has come up from 18.8 cSt to 22.3 cSt and Flash has come up from 122 deg C to 140 deg C however is still very low. Resample in 3 months and if the opportunity comes up, top up system with fresh oil. (GCD) 10% Distillation Point is severely low. COC Flash Point is severely low. (GCD) % < 335°C is 10/29/14 abnormally high.

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