

## **VEOLIA NORTH AMERICA CHICAGO BIOSOLIDS**

## Customer: PTRHTF30090

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## System Information

System Volume: 38200 gal

Bulk Operating Temp: 585F / 307C

Heating Source:

Blanket:

Fluid: PARATHERM HE Make: GTS ENERGY INC

## Sample Information

Lab No: 02060082

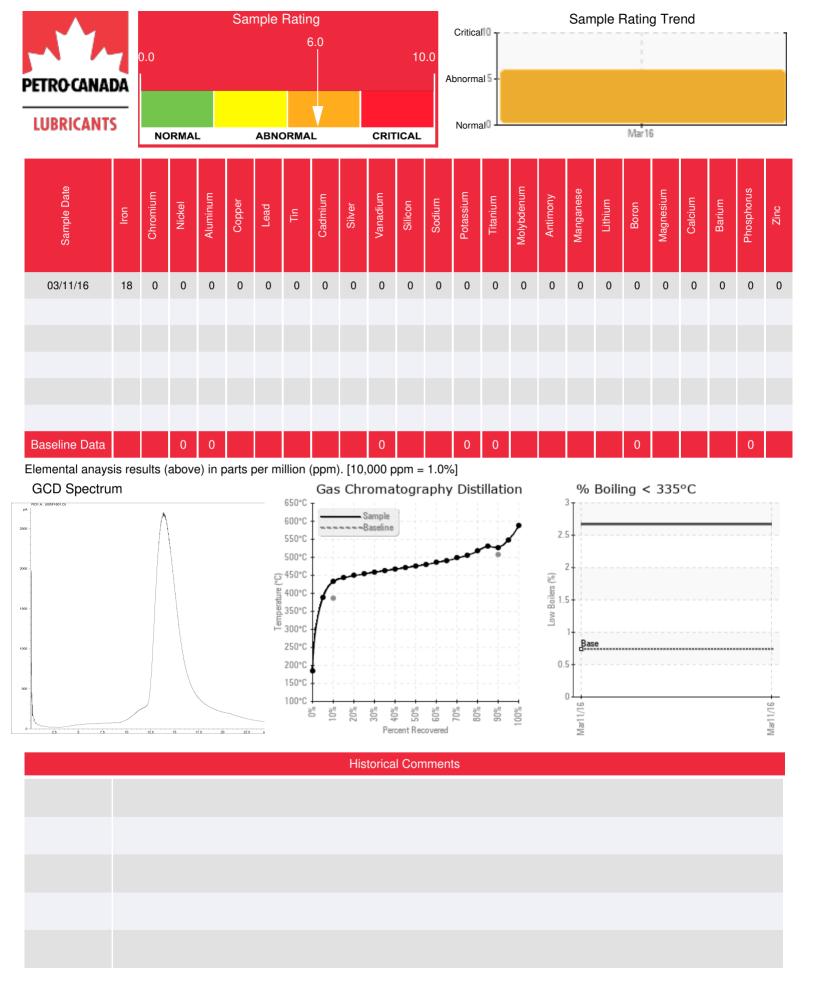
Analyst: Gaston Arseneault Sample Date: 03/11/16 Received Date: 03/21/16 Completed: 04/07/16 Gaston Arseneault

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Recommendation: The fluid contains a fair amount of low boilers, which contribute to the reduced viscosity (about 50% down from fresh oil) and lower flash point (also about 50% of fresh oil). Although 2.67% low boilers doesn't sound alarming, multiplied by 38,000 gallons that means ~1000 gallons of low flash point hydrocarbons in the fluid. We suggest to perform venting to remove those low boilers and replace the loss by adding fresh oil.

Comments: (GCD) 10% Distillation Point is severely high. COC Flash Point is severely low. Visc @ 40°C is severely low. (GCD) 90% Distillation Point is abnormally high.





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