

# [SARAH] SARAH - THERMAL OIL SYSTEM CIRCULATING OIL

### Customer: PTRHTF30015

Transport Desgagnes Inc. 21 Marche Champlain

Suite 100

Quebec City, QC G1K 8Z8 Canada

Attn: Sonia Desmarais Tel: (418)692-1000

E-Mail:

## System Information

System Volume: 6000 ltr

Bulk Operating Temp: 392F / 200C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: AALBORG

### Sample Information

Lab No: 02370809

Analyst: Bill Quesnel CLS, OMA II, MLA-

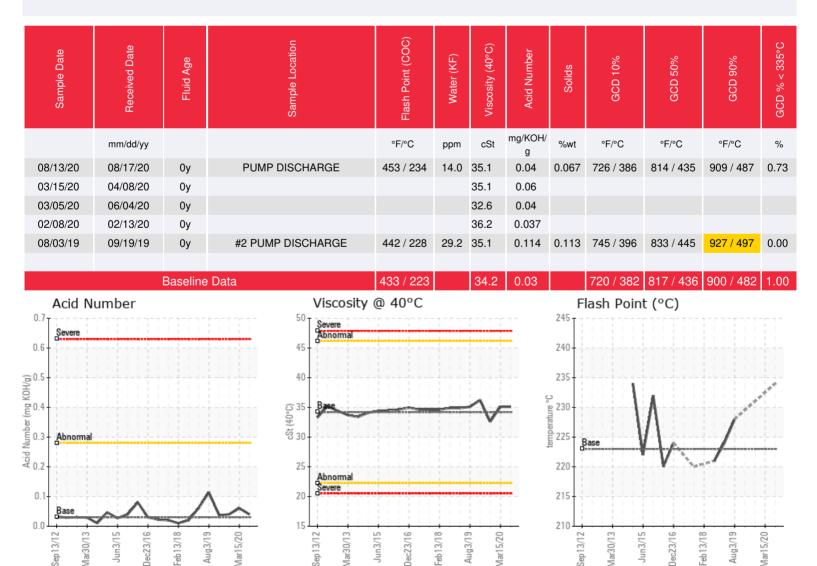
III,LLA-I

Sample Date: 08/13/20 Received Date: 08/17/20 Completed: 08/21/20

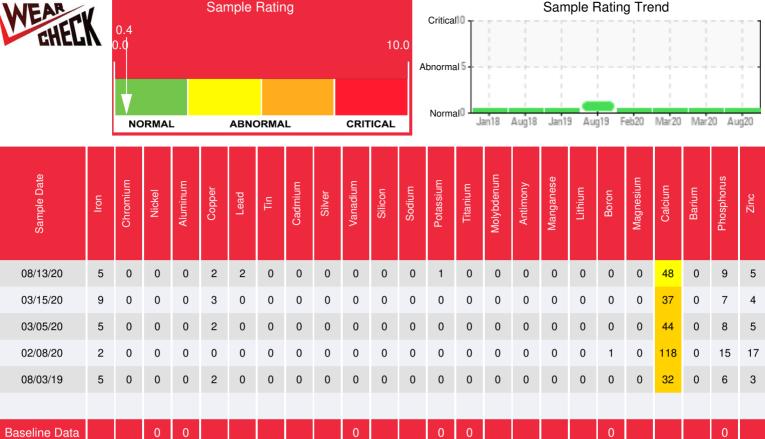
Bill Quesnel CLS,OMA II,MLA-III,LLA-I

Recommendation: Resample at the next service interval to monitor.

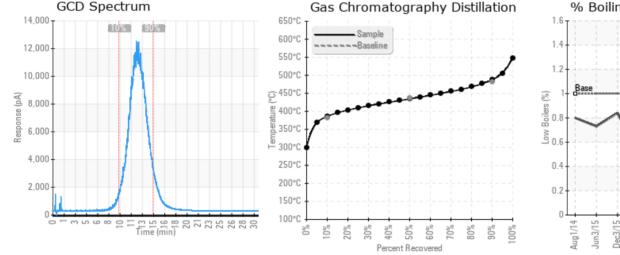
Comments: {not applicable} The water content is negligible. There is no indication of any contamination in the fluid. Calcium ppm levels are notably high. The condition of the fluid is suitable for further service.

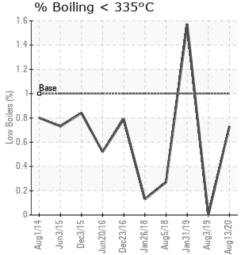






Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]





## **Historical Comments**

03/15/20

The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor. Lubritest recommends using HTTFL sample kits for heat transfer fluids. Please contact us at 1-800-268-2131 and provide a purchase order for \$245 + HST in order to conduct additional testing (boiling points @ 10%, 50%, and 90%, percent boiling < 335°C, and solids) to determine the suitability for continued use. Please contact your representative for information regarding the proper sampling kits for your service. All component wear rates are normal. There is no indication of any contamination in the component(unconfirmed). Calcium ppm levels are abnormally high. The AN level is acceptable for this fluid.

03/05/20

Lubritest recommends using HTTFL sample kits for heat transfer fluids. Please contact us at 1-800-268-2131 and provide a purchase order for \$245 + HST in order to conduct additional testing (boiling points @ 10%, 50%, and 90%, percent boiling < 335°C, and solids) to determine the suitability for continued use. Please contact your representative for information regarding the proper sampling kits for your service All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Calcium ppm levels are abnormally high. The AN level is acceptable for this fluid

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02/08/20

08/03/19

Les fractions lourdes (GCD @90%) sont très élevé, le calcium ainsi que le souffre sont élevé. Les fraactions lourdes augmente la viscosité et favorise les dépôts de carbone. Investiguer, s'il n'y a pas un léger mélange avec une autre huile. (GCD) 90% Distillation Point is abnormally high. Calcium ppm levels are abnormally high.