



ASHCROFT

Customer: PTRHTF20075

KOPPER ASHCROFT INC.

PO BOX 1510

ASHCROFT, BC V0K 1A0 Canada

Attn: Lan Wenzhao

Tel:

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System Information

System Volume: 5000 ltr

Bulk Operating Temp: 410F / 210C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: GEKA

Sample Information

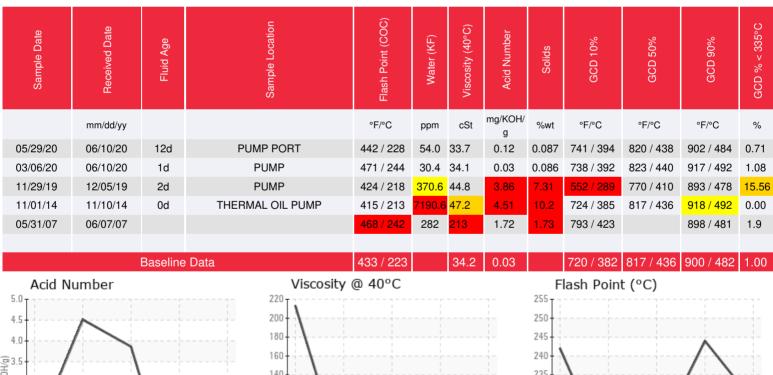
Lab No: 02358762 Analyst: Rob Spiller Sample Date: 05/29/20 Received Date: 06/10/20 Completed: 06/30/20

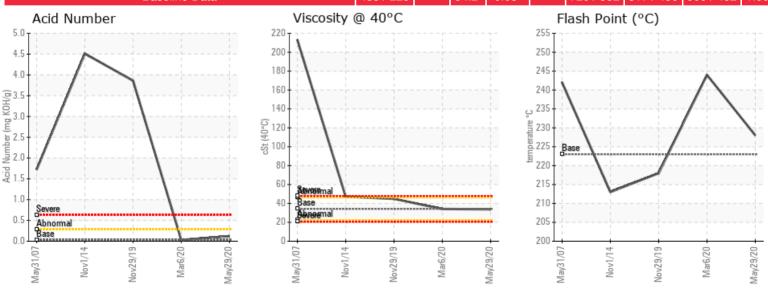
Rob Spiller

Rob.Spiller@petrocanadalsp.com

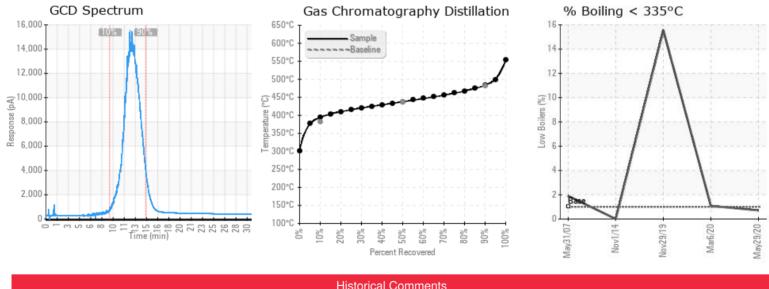
Recommendation: Petro-Therm is in excellent condition after 3 months of service, no significant changes in properties from the new fluid. Recommend sampling again in 6-12 months for continued system monitoring.

Comments:









Historical Comments	
03/06/20	Sample of new fill of Petro-Therm right after cleaning and flushing procedure shows that cleaning was very effective. No signs of old degraded fluid or solids in the system.
11/29/19	GCD analysis and high solids (insolubles) shows evidence of extensive thermal degradation of oil. Increase in acid number also shows significant oxidation is occurring. The high iron (Fe) is due to corrosion from acidic compounds in the oil caused by oxidation, the acid number is 3.86 will the condemning limit is 1.0. Full system cleaning (minimum 2 runs) is required. Recommend measures to mitigate oxidation, such as inert gas blanket on expansion tank. Also strongly recommend investigating cause of thermal degradation, and then taking actions to correct the cause.lron ppm levels are severe. Pol levels are severe. Pol evels are severe. Pol evels are severe. Pol evels are severel by a severely ligh. Water contamination levels are marginally high. ppm Water contamination levels are marginally high.
11/01/14	Fluid should be changed out and system cleaned very soon! Extremely high Total Acid Number and Solids levels will cause damage to the system. Recommend draining fluid, performing cleaning and flushing procedure on the system, and refilling with new Petrotherm.Iron ppm levels are severe. Water contamination levels are severely high. Pentane Insolubles levels are severely high. Acid Number (AN) is severely high. Visc @ 40°C is abnormally high. (GCD) 90% Distillation Point is marginally high.
05/31/07	

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