



HEAT TRANSFER SYSTEM

Customer: PTRHTF10008

ARKEMA 1415 STEELE AVENUE GRAND RAPIDS, MI 49507 USA

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System Information

System Volume: 3000 gal

Bulk Operating Temp: 540F / 282C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

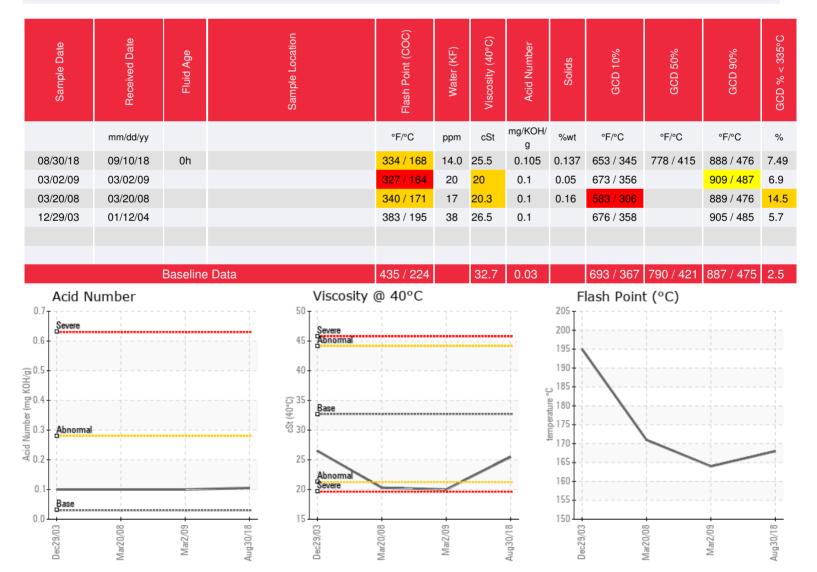
Make:

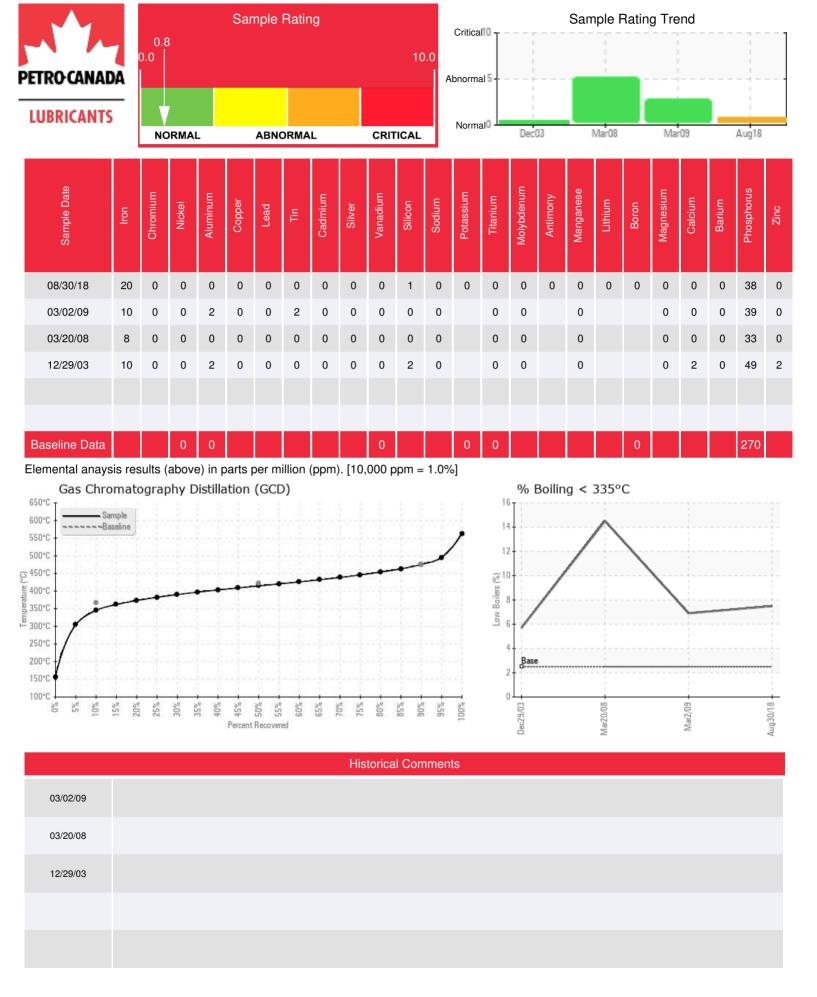
Sample Information

Lab No: 02238228 Analyst: Yvette Trzcinski Sample Date: 08/30/18 Received Date: 09/10/18 Completed: 11/02/18

Recommendation: Viscosity has increased since the last sample but is still 20% lower than new oil - it appears part or all of the fluid was replaced in 2012. Flash point is low which points to low boilers as a result of thermal cracking in the fluid which is also shown in the presence of molecules with boiling points below 335 C and the lower boiling point temperatures at 10% and 50 % distillation point. recommend venting the system and resampling to see if that raises the flash point. Thermal cracking is evident in the system which causes carbonaceous deposit can create insulation in pipes and residues in the system

Comments: COC Flash Point is abnormally low.





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