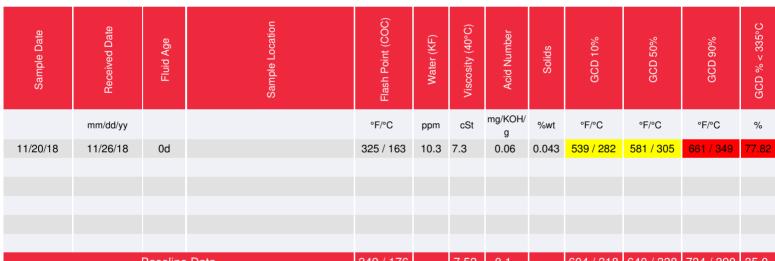


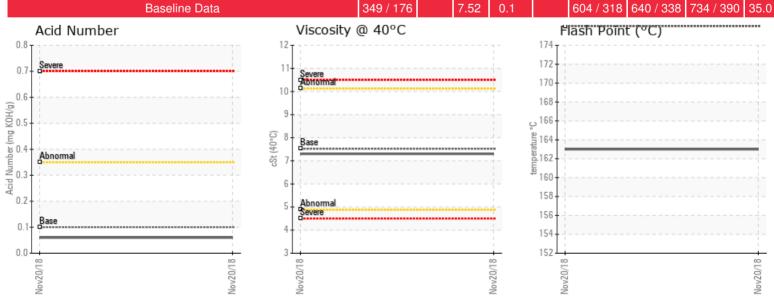
INOAC HOT OIL SIDE HOT OIL DRAIN

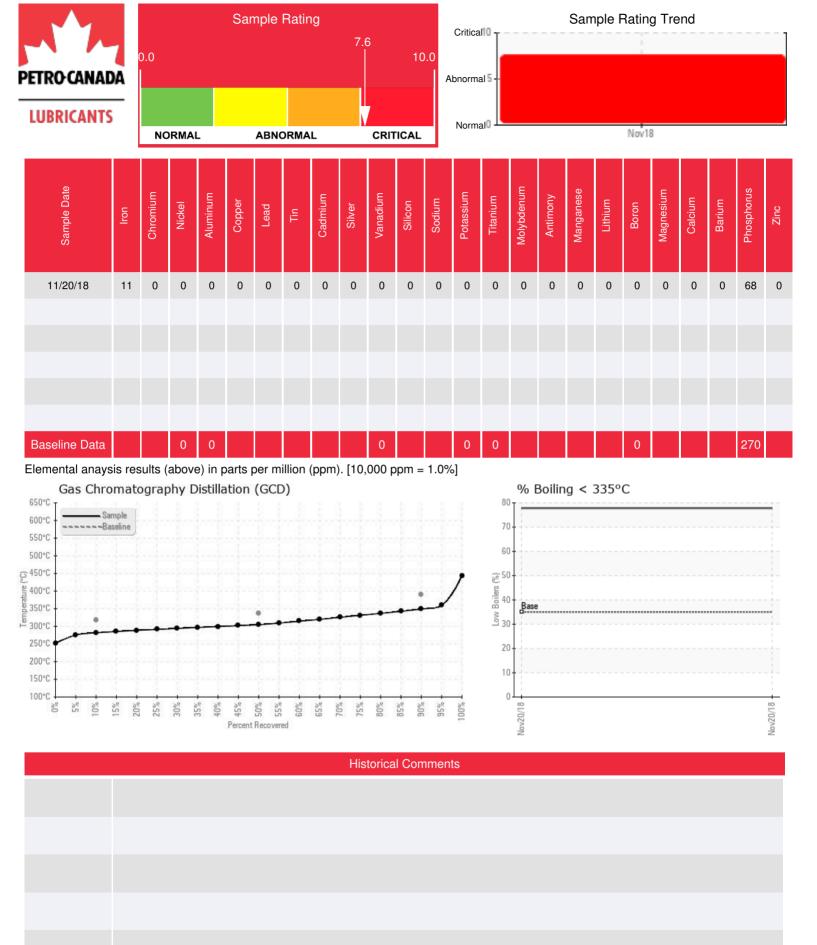
Customer: PTRHTF30023	System Information	Sample Information
INOAC INTERIOR SYSTEMS	System Volume: 14000 ltr	Lab No: 02253655
575 JAMES STREET SOUTH	Bulk Operating Temp: 500F / 260C	Analyst: Adam Koscielak
ST MARYS, ON N4X 1B9 Canada	Heating Source:	Sample Date: 11/20/18
Attn: Jeff Brown	Blanket:	Received Date: 11/26/18
Tel: (519)808-2649	Fluid: PETRO CANADA CALFLO LT	Completed: 12/10/18
E-Mail: jbrown@inoacusa.com	Make: BP&R	

Recommendation: Appears to be some low boilers in the system. Flash point is reduced a little and the amount of material <335°C is elevated, 50% point is lowered, with the 90% Distillation point lower than normal.Please vent expansion tank for a day when the unit is at operating temperature, to release low boilers from system.Resample system after venting.All other parameters okay, viscosity is typical for Calflo LT, no water present, no appreciable amount of solids as Pentane insoluble level at 0.048%

Comments: (GCD) % < 335°C is severely high. (GCD) 90% Distillation Point is severely low. (GCD) 10% Distillation Point is marginally low. (GCD) 50% Distillation Point is marginally low.







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