[TOURMALINE / C-46-C/94-H-4] UTILITY HEAT MEDIUM

Customer: PTRHTF20039

BRENNTAG CANADA INC 3124-54TH AVENUE SE

CALGARY, AB T2C 0A8 Canada

Attn: Matthew Kryska

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System Information

System Volume: 180000 ltr

Bulk Operating Temp: 302F / 150C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: HEATECK

Sample Information

Lab No: 02341088 Analyst: Peter Harteveld Sample Date: 02/19/20 Received Date: 03/03/20 Completed: 03/09/20

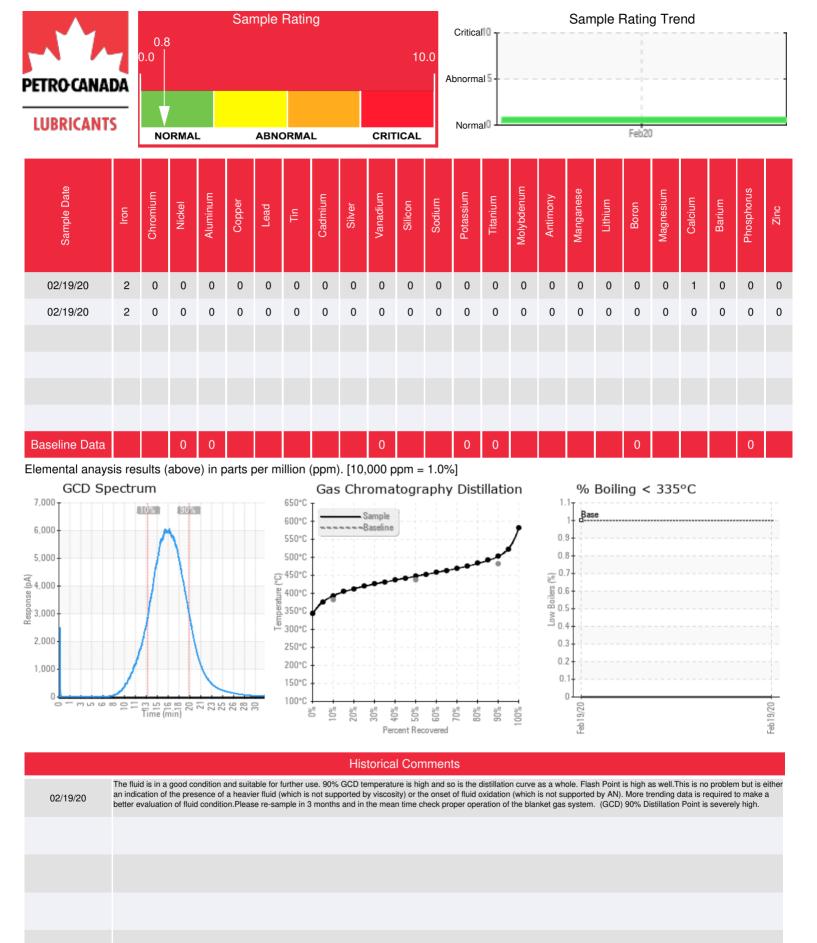
Peter Harteveld

peter.harteveld@hollyfrontier.com

Recommendation: The fluid is in a good condition and suitable for further use. 90% GCD temperature is high and so is the distillation curve as a whole. Flash Point is high as well. This is no problem but is either an indication of the presence of a heavier fluid (which is not supported by viscosity) or the onset of fluid oxidation (which is not supported by AN). More trending data is required to make a better evaluation of fluid condition. Please re-sample in 3 months and in the mean time check proper operation of the blanket gas system.

Comments: (GCD) 90% Distillation Point is abnormally high.





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