

[01-34-51-18W5] TOURMALINE ANSELL PLANT HM-2

Customer: PTRHTF20046

QUADRA CHEMICALS 12925 146TH STREET

EDMONTON, AB T5L 2H6 CANADA

Attn: Quadra Samples

Tel:

E-Mail: quadra samples@quadra.ca

System Information

System Volume: 15000 ltr

Bulk Operating Temp: 401F / 205C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make:

Sample Information

Lab No: 02412292 Analyst: Kevin McDermott

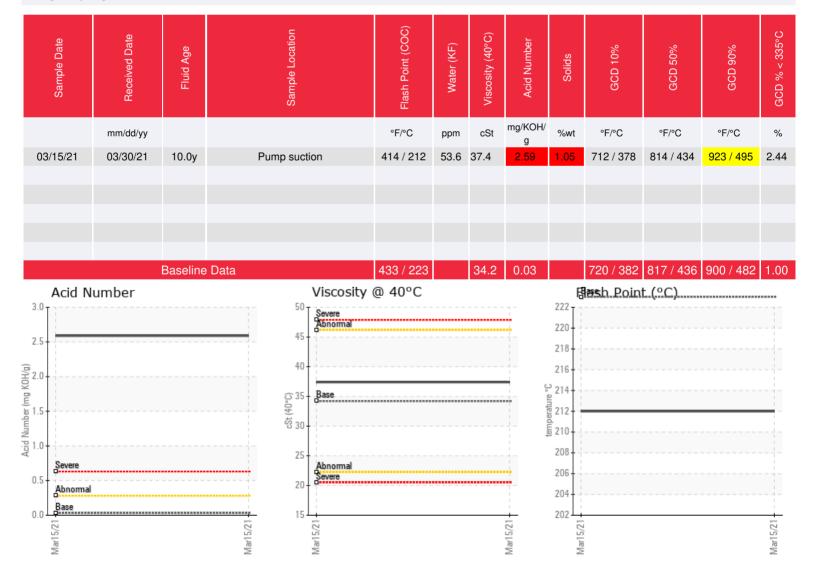
Sample Date: 03/15/21 Received Date: 03/30/21 Completed: 04/08/21

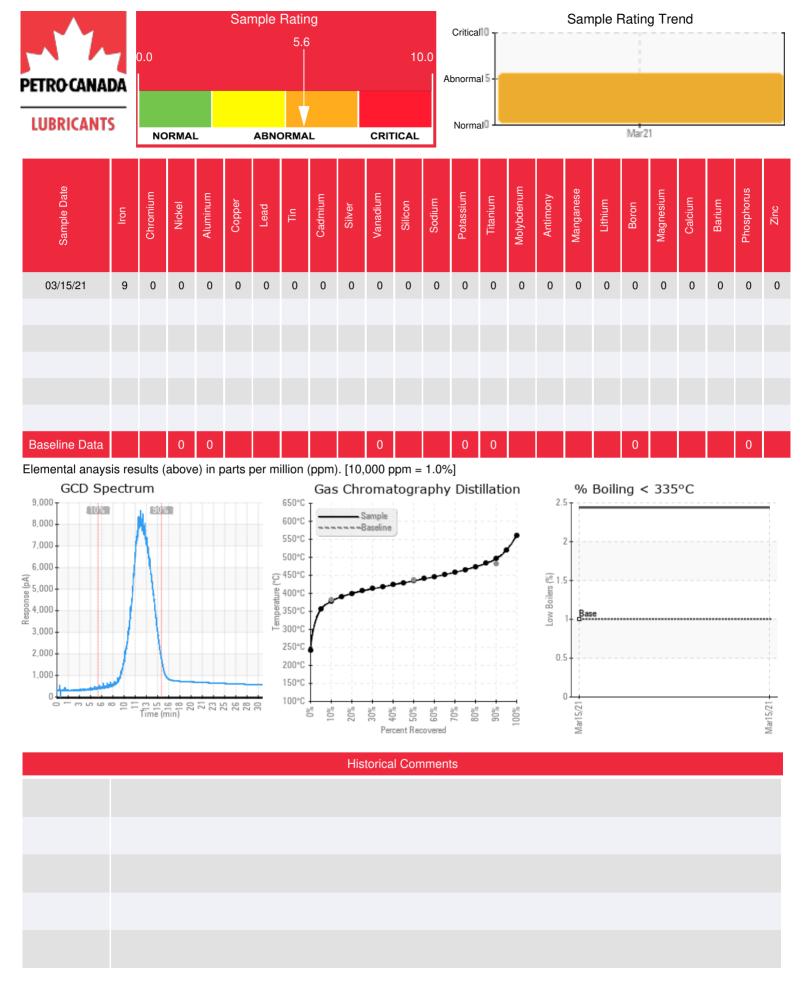
Kevin McDermott

kevin.mcdermott@hollyfrontier.com

Recommendation: Acid number, solids content are both severely high. This combined with viscosity increase indicates fluid degradation due to oxidation. Oxidation happens when hot fluid gets exposed to air. Recommend ensuring there is a functioning blanket gas in place at all times. Filtration can help bring the solids content down but the AN can only be improved by full or partial fluid changeout.

Comments: Pentane Insolubles levels are severely high. Acid Number (AN) is severely high. (GCD) 90% Distillation Point is marginally high.





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