

[11-21-55-20W5M] H-802

Customer: PTRHTF20228

PEYTO EXPLORATION

Box 7198

EDSON, AB T7E 1V4 Canada

Attn: Logan Pillage Tel: (780)712-9444

E-Mail: Lpillage@Peyto.com

System Information

System Volume: 26000 ltr

Bulk Operating Temp: 370F / 188C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: ALCO

Sample Information

Lab No: 02348702 Analyst: Peter Harteveld Sample Date: 04/07/20 Received Date: 04/14/20 Completed: 04/24/20 Peter Harteveld

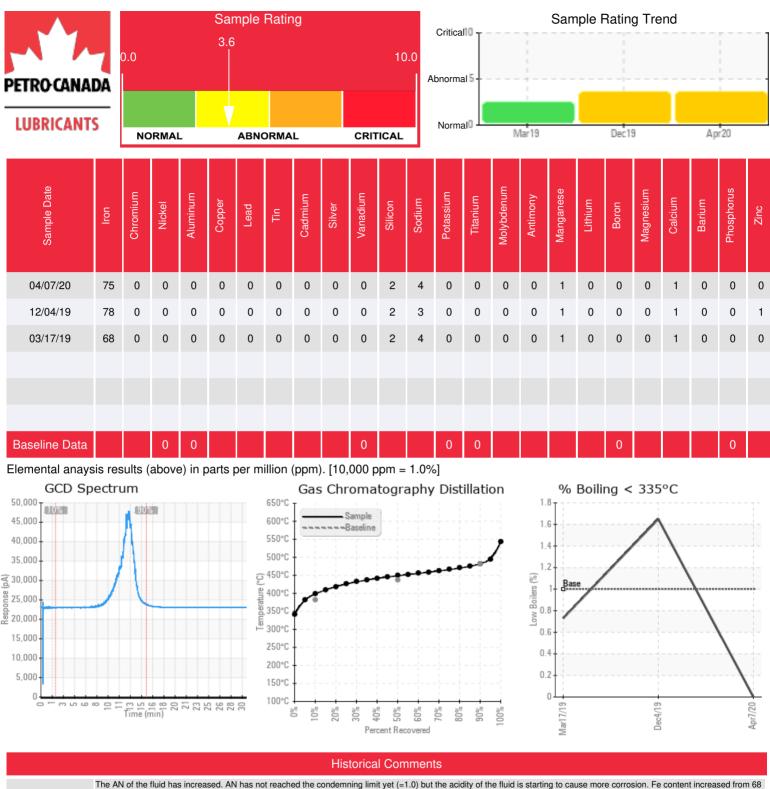
peter.harteveld@petrocanadalsp.com

Recommendation: The fluid is in a reasonable condition and suitable for further use. Viscosity and AN have remained at appr. the same level as the Dec. 2019 sample. Corrosion has not progressed further judging by AN and Fe content. Pentane Insolubles (solids) content is still too high (3x) but has decreased from 2.4% to 1.8%Please re-sample in 6 months. (list Time on Oil)

Comments: Pentane Insolubles levels are severely high. Visc @ 40°C is severely high. Acid Number (AN) is abnormally high.



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Historical Comments The AN of the fluid has increased. AN has not reached the condemning limit yet (=1.0) but the acidity of the fluid is starting to cause more corrosion. Fe content increased from 68 to 78 ppm which is an indication of this. The viscosity of the fluid is high with 56 cSt/40C. This is the result of a high Pentane Insolubles (solids) content (2.41%). Filtration of the fluid is recommended. If filtration is in place, it is not efficient and should be looked at. Your Petro-Canada Tech Service Advisor can assist with this. Please re-sample in 6 months. The viscosity and Pentane Insoluble (solids) content of the fluid are high. It is recommended to start filtration of the fluid and re-sample after filtration. Pentane Insolubles levels are severely high. Visc @ 40°C is severely high.

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