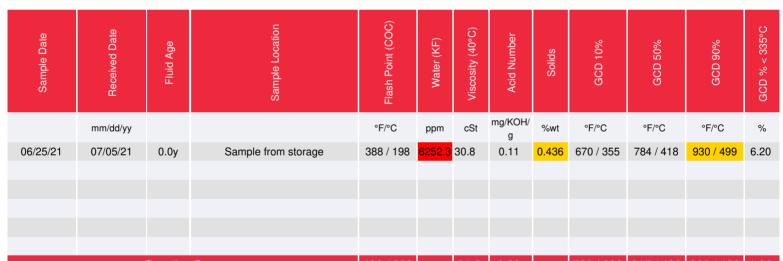
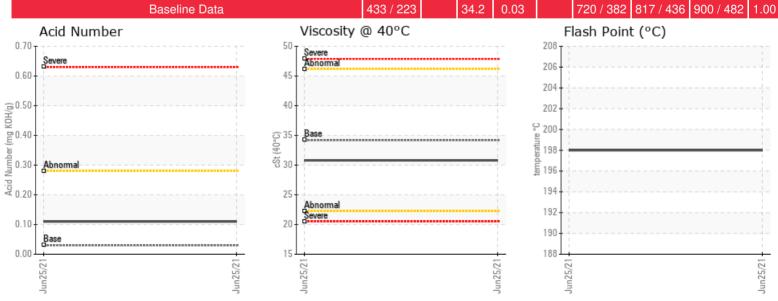


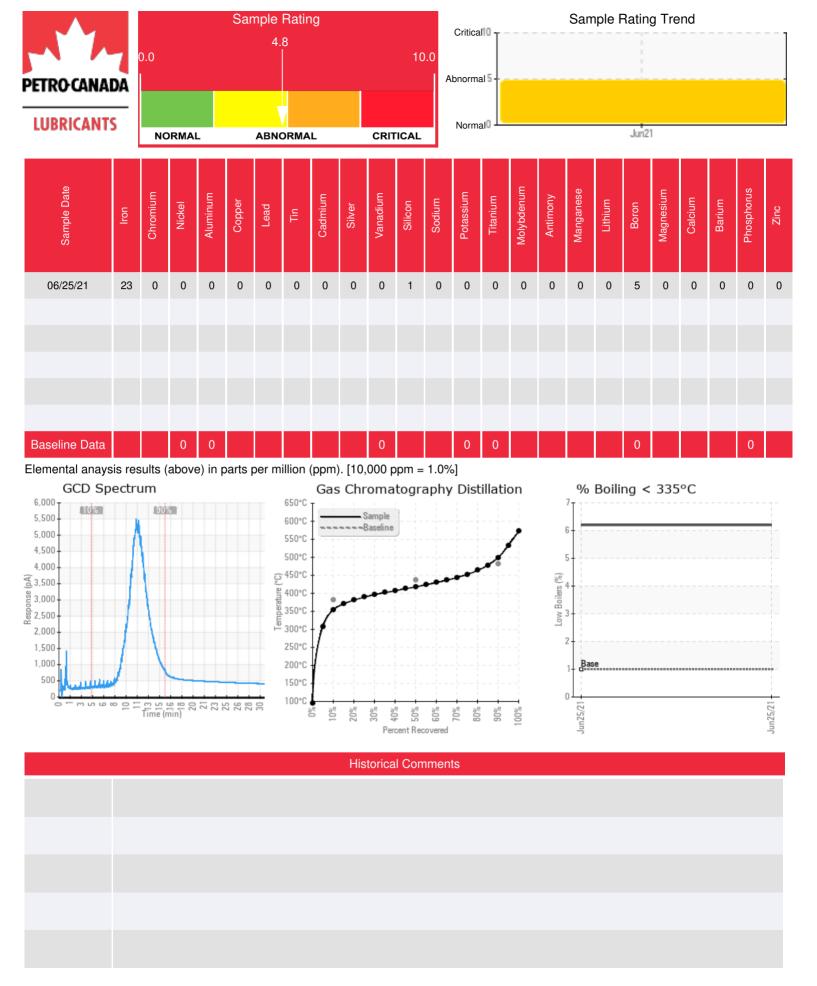
Customer: PTRHTF20175	System Information	Sample Information
QUADRA CHEMICALS	System Volume: 720000 ltr	Lab No: 02430813
7802 98 STREET	Bulk Operating Temp: 338F / 170C	Analyst: Clinton Buhler
CLAIRMONT, AB T0H 0W0 Canada	Heating Source:	Sample Date: 06/25/21
Attn: Quadra Samples	Blanket:	Received Date: 07/05/21
Tel:	Fluid: PETRO CANADA PETRO-THERM	Completed: 07/09/21
E-Mail: quadra_samples@quadra.ca	Make:	Clinton Buhler
		Clinton.Buhler@HFSinclair.com

Recommendation: Sample results indicate the fluid is contaminated with water. This needs to be removed from the fluid before use and before extended storage as it will degrade the fluid. Protect the fluid from further water contamination by using desiccant breathers. Solids content is also high and would require filtering before use. Low boiling vapor content of 6.2% would suggest the need for venting of these vapors once the fluid was put into service

Comments: Water contamination levels are severely high. Water contamination levels are severely high.. ppm Water contamination levels are severely high. Pentane Insolubles levels are abnormally high. (GCD) 90% Distillation Point is abnormally high.







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