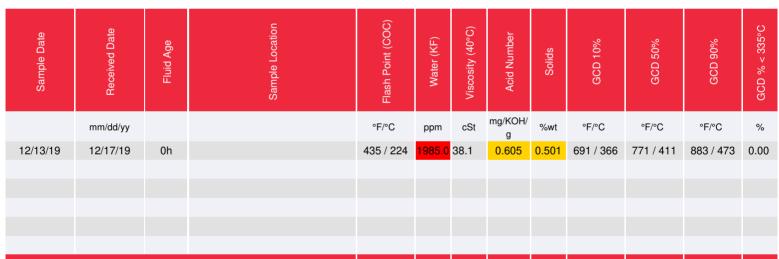


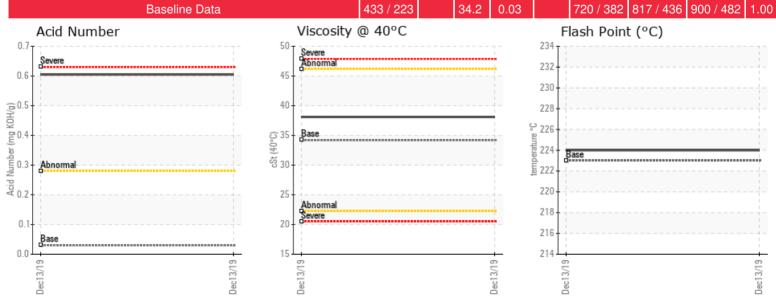
HEATTRANSFER

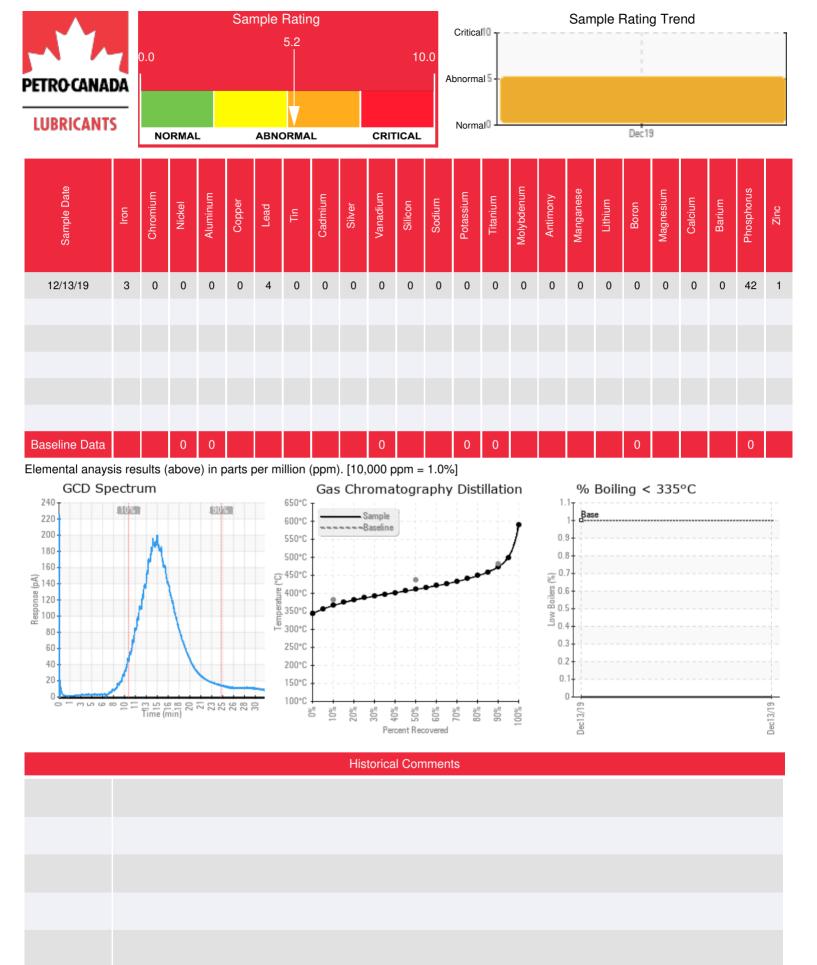
Customer: PTRHTF10222	System Information	Sample Information
K5 CONSTRUCTION CORPORATION	System Volume: 1000 gal	Lab No: 02327821
999 OAKMONT PLAZA DR	Bulk Operating Temp: 350F / 177C	Analyst: Yvette Trzcinski
WESTMONT, IL 60559 USA	Heating Source:	Sample Date: 12/13/19
Attn:	Blanket:	Received Date: 12/17/19
Tel:	Fluid: PETRO CANADA PETRO-THERM	Completed: 12/18/19
E-Mail:	Make:	

Recommendation: There does not appear to be any asphalt contamination in the sample - if there was asphalt contamination we would see vanadium, a rapid rise in viscosity and an increase in flash point in the sample. The sample does have a large amount of water present - 1900 ppm the acid number is high and also the solids content are high-looks like this could be a bad sample - recommending a re sample to ensure the information - samples should be taken that are representative of the circulating fluid in the system.

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. Acid Number (AN) is abnormally high.







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