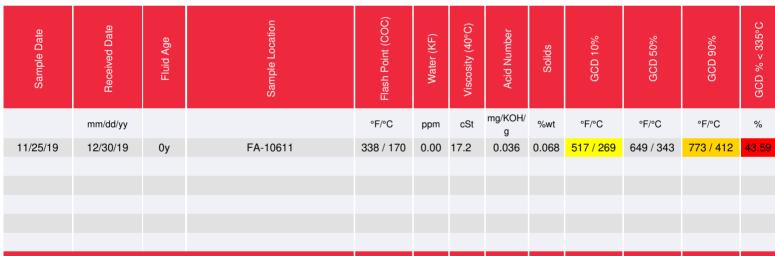
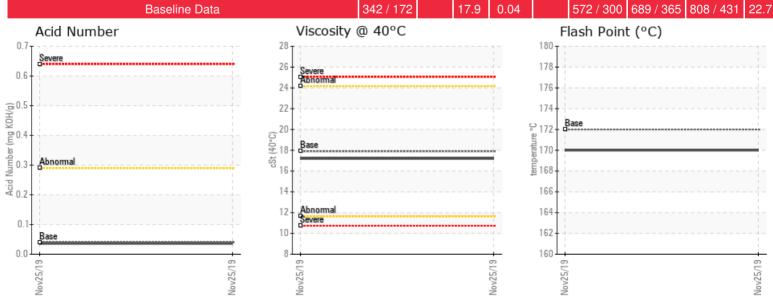


Customer:	System Information	Sample Information
WEARCHECK CANADA INC.	System Volume: 0 gal	Lab No: 02329290
C8-1175 Appleby Line	Bulk Operating Temp: 330F / 166C	Analyst: Garrett Bapp
BURLINGTON, ON L7L 5H9 Canada	Heating Source:	Sample Date: 11/25/19
Attn: Dorian Anderson	Blanket:	Received Date: 12/30/19
Tel:	Fluid: PARATHERM NF	Completed: 01/30/20
E-Mail:	Make: HEATEC	Garrett Bapp
dorian.anderson@wearcheck.com		Garrett.Bapp@petrocanadalsp.com

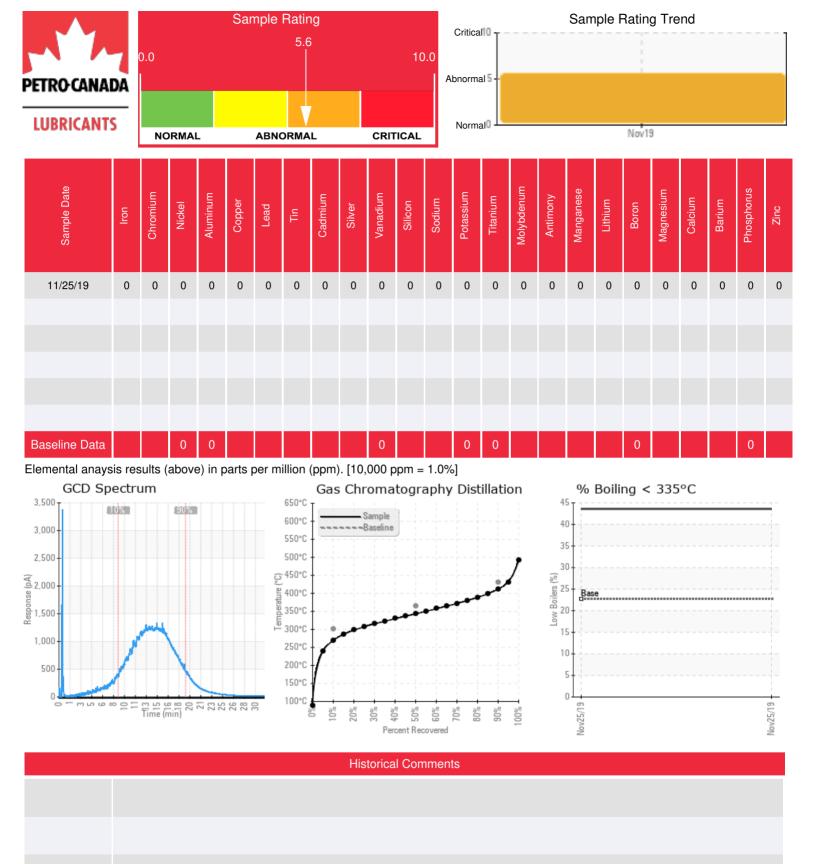
Recommendation: Sample missing critical criteria to make in-depth analysis about fluid condition and actions needed. Unit Age, Oil Age and History should be filled in to provide complete diagnosis of system and fluid. Based on GDC % and low GCD 10% and 50%, this fluid is going through thermal degradation. GCD profile shows a oil that has be thermally cracked. High GCD % indicates cracked hydrocarbons. Depending on system volume and age of fluid will justify action needed to take. Intervention will need to be taken before system becomes heavily cracked. Consult Technical Service Advisor for system evaluation and action needed.

Comments: (GCD) % < 335°C is severely high. (GCD) 90% Distillation Point is abnormally low. (GCD) 10% Distillation Point is marginally low.





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