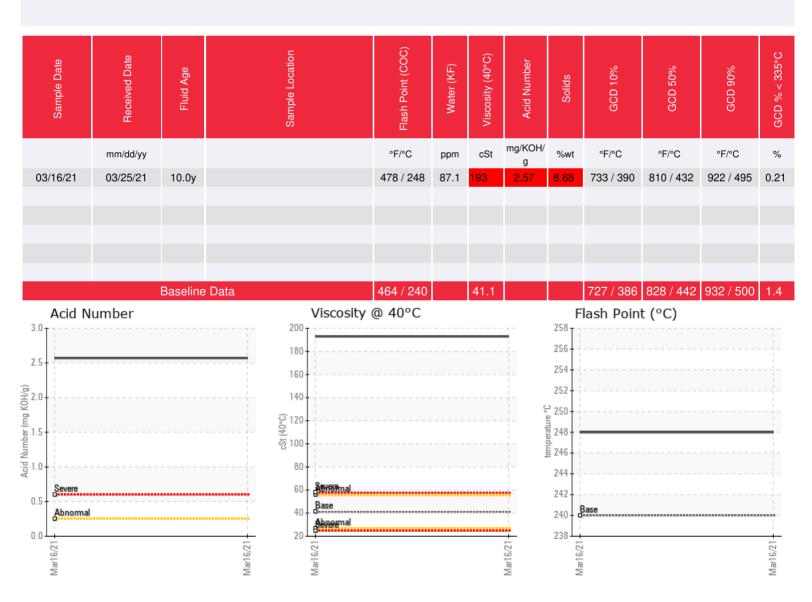


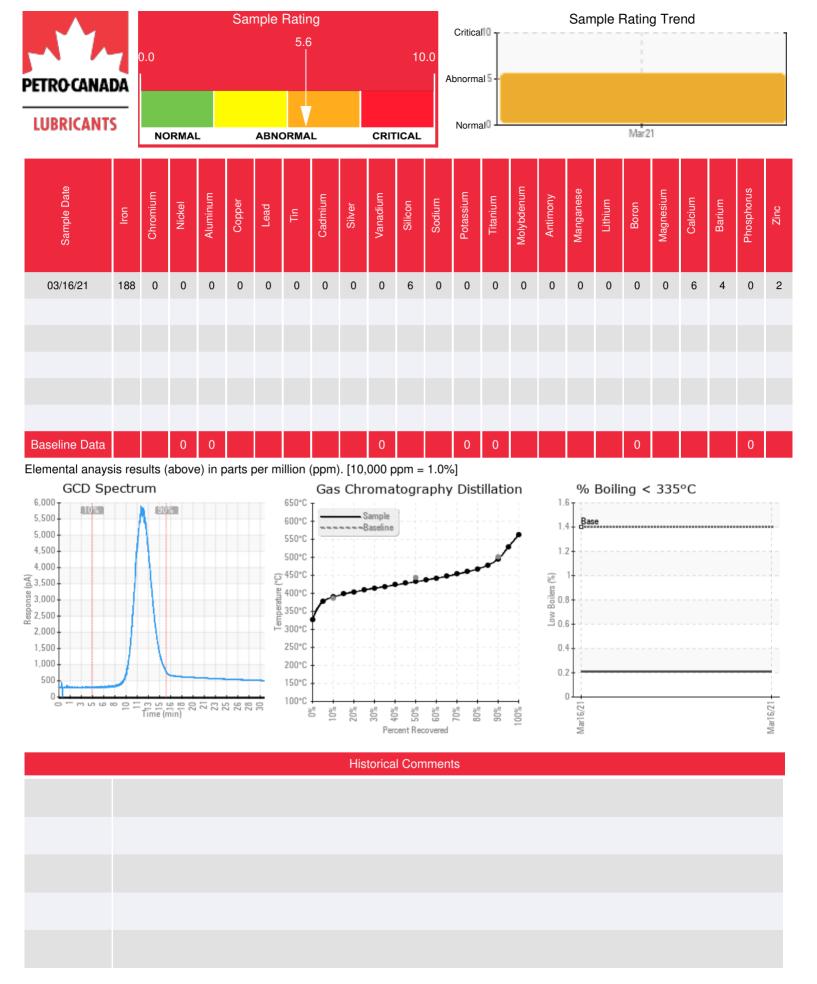
Customer: PTRHTF10245	System Information	Sample Information
ICON MATERIALS	System Volume: 600 gal	Lab No: 02411282
1115 S 96TH ST	Bulk Operating Temp: 425F / 218C	Analyst: Ron LeBlanc
SEATTLE, WA 98108 USA	Heating Source:	Sample Date: 03/16/21
Attn: Pat Healy	Blanket:	Received Date: 03/25/21
Tel: (253)261-4473	Fluid: CHEVRON HEAT TRANSFER OIL 46	Completed: 03/31/21
E-Mail: patrick.healy@iconmaterials.com	Make:	Ron LeBlanc
		Ronald.LeBlancSr@hollyfrontier.com

Recommendation: Viscosity is extremely high due to extended life of the fluid. The AN is extremely high indicating oil has been oxidized for an extended time. Pentane insolubles indicate deposits possible in the oil. System should be cleaned, flushed and refilled with fresh oil when time permits. Cleaning/flushing instructions will be given to customer.

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



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