

## **HEAT EXCHANGER**

Abnorma

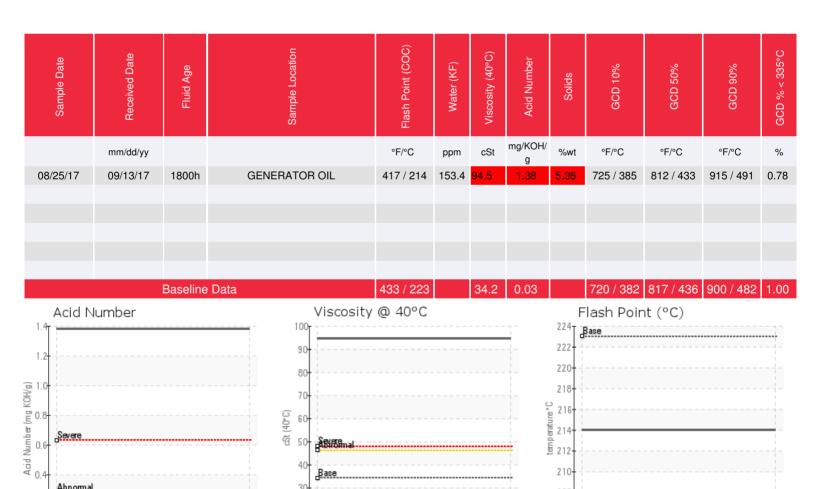
0.2

0.0

Aug25/1

Customer: PTRHTF40125	System Information	Sample Information
PKP - UKRAINE	System Volume: 0 gal	Lab No: 02169340
GAGRINA STR 39	Bulk Operating Temp: 392F / 200C	Analyst: Alexander Panov
RIVNE, 33003 Ukraine	Heating Source:	Sample Date: 08/25/17
Attn: Sergey Protsyk	Blanket:	Received Date: 09/13/17
Tel:	Fluid: PETRO CANADA PETRO-THERM	Completed: 11/30/17
E-Mail: eugenia@pkpua.com	Make: GURMAKSAN	To discuss this report contact Alexander
		Panov at (496)214-4586269

Recommendation: Fluid conditions show oxidation due to contact with air. Review the system conditions and operation and if possible eliminate air contact with fluid. Fluid change is recommended.Contamination: Pentane Insolubles levels are severely high. Oil Condition: Acid Number (AN) is severely high. Visc @ 40°C is severely high. 29-11-17 (PRILEY) - Insolubles very high, demonstrating degradation and breakdown. Acid number very high which will encourage fluid breakdown and stress out the fluid further. Extremely high viscosity which means fluid will not circulate as effective, nor will it have the ability to cool as effectively. Strongly recommend a fluid change plus flush of the system to remove degraded product



208

206

204

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Base

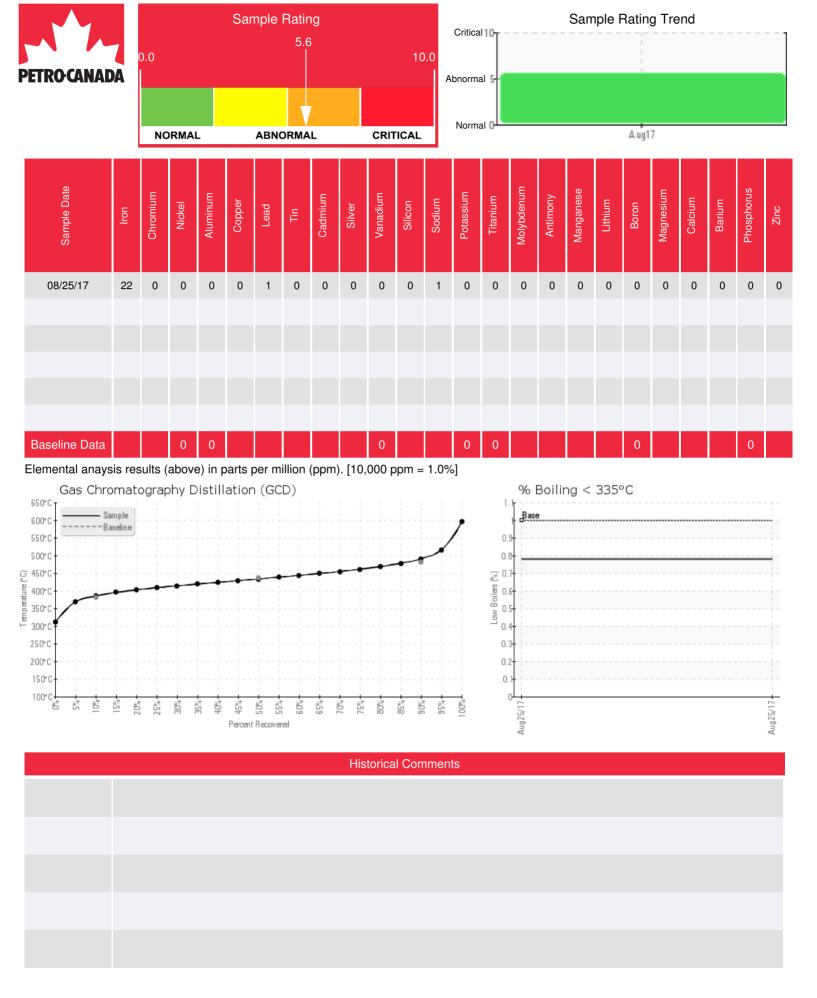
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10

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