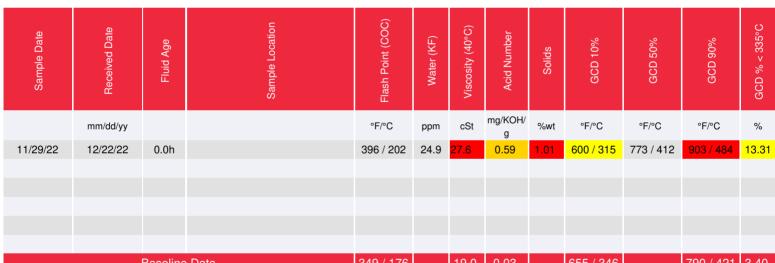


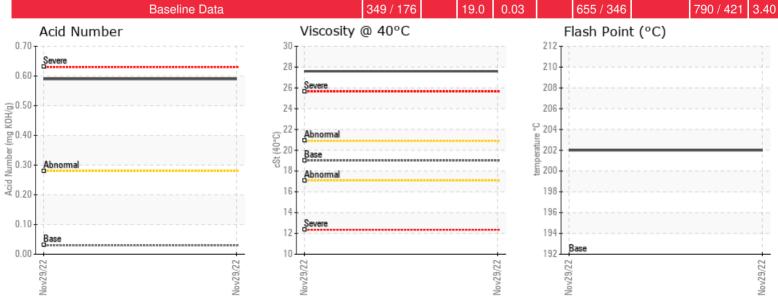
ELBURN

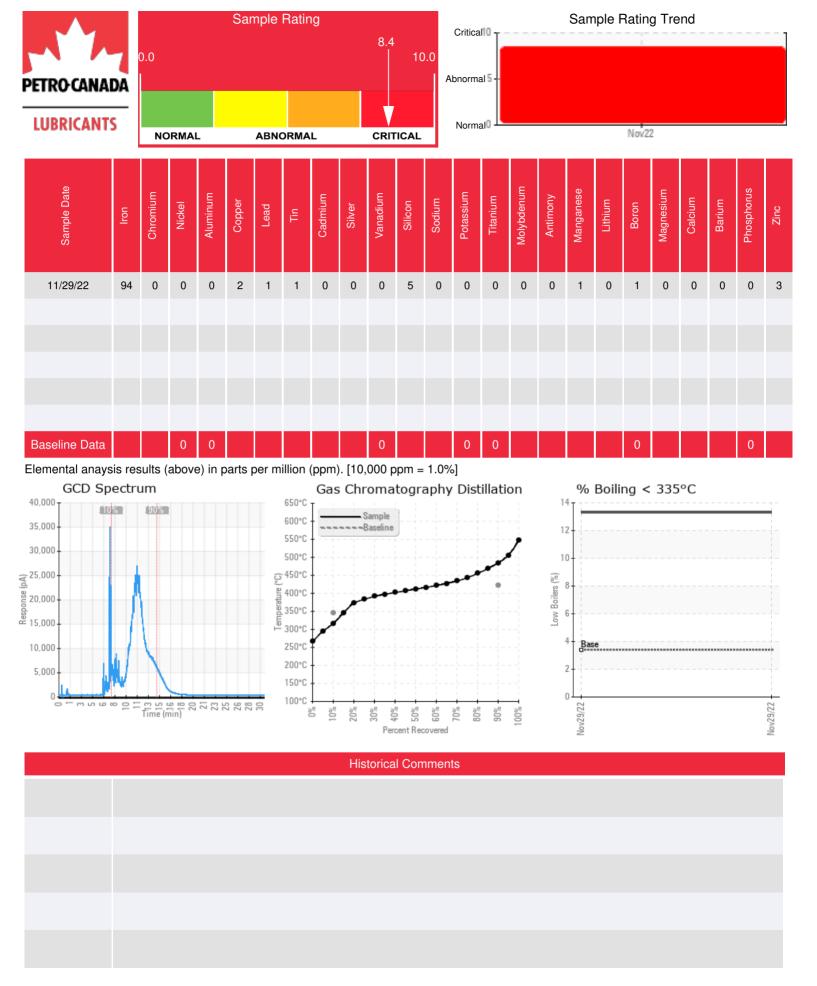
Customer: PTRHTF10260	System Information	Sample Information
Builders Asphalt	System Volume: 500 gal	Lab No: 02530449
4401 Roosevelt Road	Bulk Operating Temp: 350F / 177C	Analyst: Yvette Trzcinski
Hillsdale, IL 60162 USA	Heating Source:	Sample Date: 11/29/22
Attn: Virgil Marksmaker	Blanket:	Received Date: 12/22/22
Tel:	Fluid: EASTMAN THERMINOL 55	Completed: 01/03/23
E-Mail: marsmaker@gmail.com	Make: HYWAY/GENCOR	Yvette Trzcinski
		yvette.trzcinski@HFSinclair.com

Recommendation: Product shows signs of severe degradation due to oxidation. Viscosity increase of 45% direct result of fluid degradation and oxidation the acid number is very high condemning limit is 0.6 the fluid is at 0.59 this can cause sludge and deposit increases in the system as well as corrosion. The Solids warning limit is anything greater than 0.5% this system is greater than 1.% which indicates the extent of the fluid degradation and high potential for solid fouling and deposit in the system. The GCD distillation all show signs of fluid degradation.

Comments: Pentane Insolubles levels are severely high. (GCD) 90% Distillation Point is severely high. Visc @ 40°C is severely high. Acid Number (AN) is abnormally high. (GCD) % < 335°C is marginally high. (GCD) 10% Distillation Point is marginally low.







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