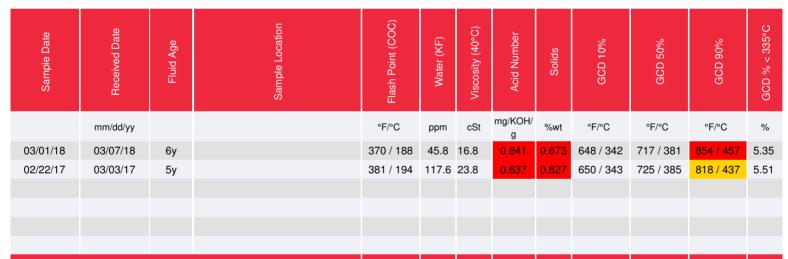
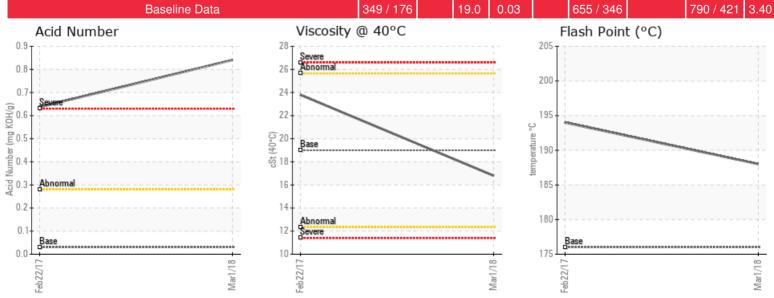


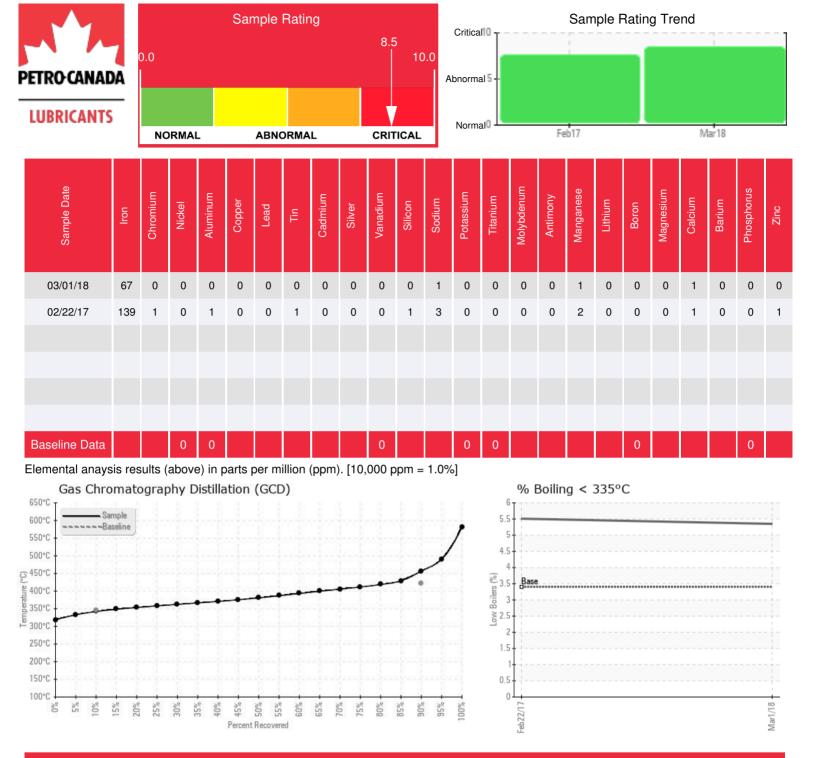
Customer: PTRHTF10183	System Information	Sample Information
Bitumar USA Inc	System Volume: 17000 gal	Lab No: 02202464
6000 Pennington Avenue	Bulk Operating Temp: 450F / 232C	Analyst: Doug Vrooman
Baltimore, MD 21226 USA	Heating Source:	Sample Date: 03/01/18
Attn: Jason Rodriguez	Blanket:	Received Date: 03/07/18
Tel: (410)454-8192	Fluid: MONSANTO THERMINOL 55	Completed: 03/12/18
E-Mail: jason.rodriguez@bitumar.com	Make: AMERICAN HEATING	To discuss this report contact Doug
, , ,		Vrooman at (518)357-9696

Recommendation: Based on the drop in Iron - 139 down to 67, Viscosity - 23.8 down to 16.8 and Solids - .827 down to .673 fresh fluid was most likely added to the system. Although we have seen the drop in these important key factors, we still see an increase in the (AN) Acid Number from .637 up to .841. By replacing 1/3 of the fluid, or approximately 6,000 to 8,000 gallons, the (AN) Acid Number could be reduced to as low as .65, which is an improvement but not optimal. New (fresh) fluid has an (AN) Acid Number of 0. Acid Number is a key component in reporting HTF condition. If the Acid Numbers are too high, (sweetening) or adding fresh new fluid may help extend the life of the fluid and lower the Acid Number, but in most cases is a temporary fix.

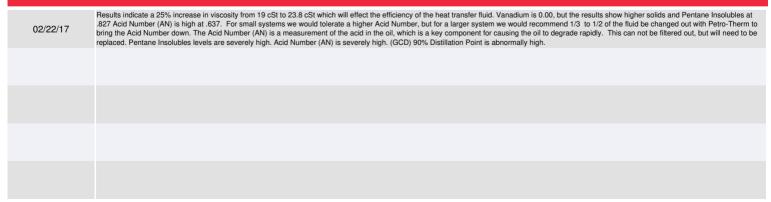
Comments: Pentane Insolubles levels are severely high. Acid Number (AN) is severely high. (GCD) 90% Distillation Point is severely high.







Historical Comments



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