

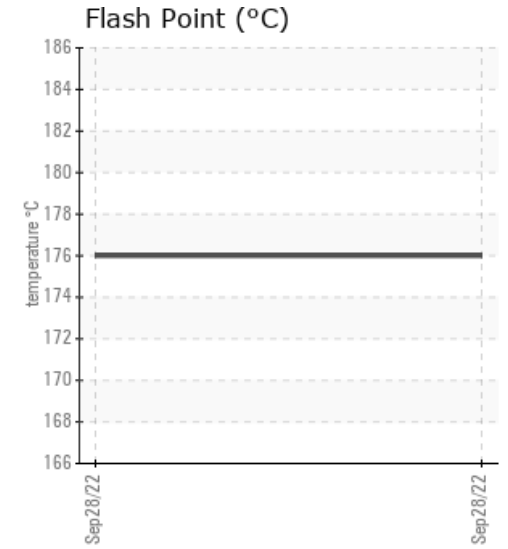
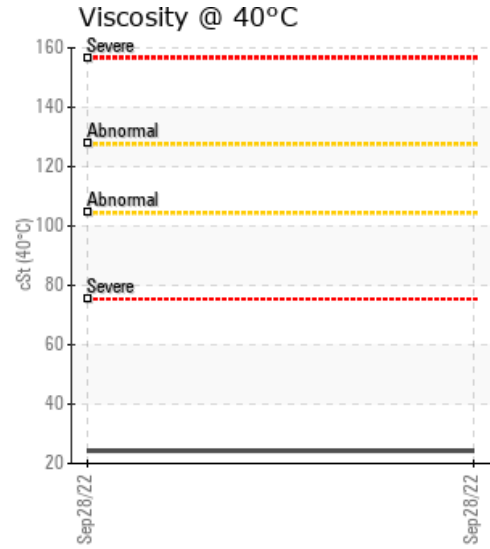
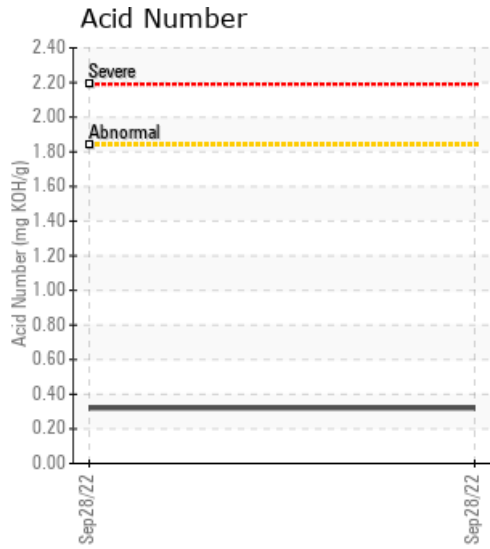
CENTER VALVE FULTON 3 & 4

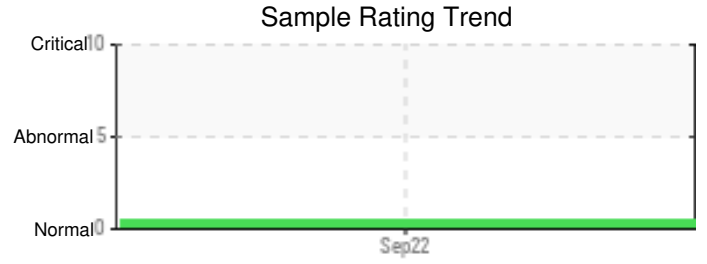
Customer: PTRHTF10254	System Information	Sample Information
SUGAR CREEK 1200 ENTERPRISE RD CAMBRIDGE CITY, IN 47327 USA Attn: Nate Ziegler Tel: (513)266-9267 E-Mail: nziegler@sugar-creek.com	System Volume: 4000 ltr Bulk Operating Temp: 550F / 288C Heating Source: Blanket: Fluid: N/A Make: FULTON	Lab No: 02519534 Analyst: Yvette Trzcinski Sample Date: 09/28/22 Received Date: 10/28/22 Completed: 11/08/22 Yvette Trzcinski yvette.trzcinski@HFSinclair.com

Recommendation: This appears to be approximately 90% Paratherm NF and 10% Purity FG, and has been rated with those specifications - reviewing the distillation temperatures, the viscosity of the fluid, acid number, flash point and understanding this system was charged with paratherm NF and as fluid has been added the product added is Purity FG HTF - the fluid meets specifications for a mix of paratherm NF and Purity FG HTF and is acceptable for continued service resample in 6-12 months

Comments:

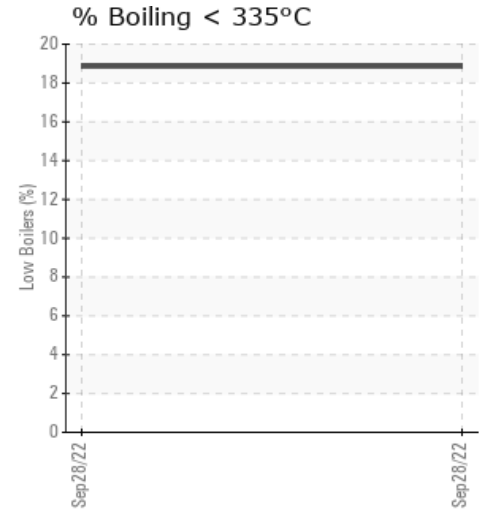
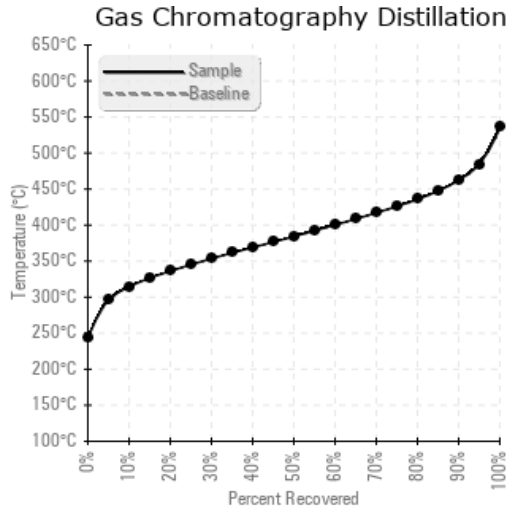
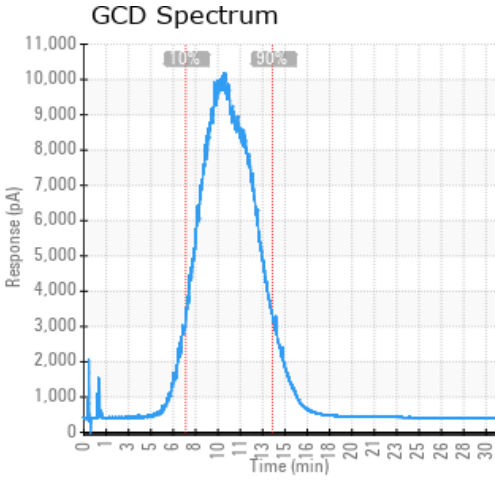
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
09/28/22	10/28/22	1.0y		349 / 176	2.9	24.3	0.32	0.033	598 / 314	724 / 384	864 / 462	18.85
Baseline Data				32 / 0								





Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc	
09/28/22	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	
Baseline Data													0											0	0

Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



Historical Comments

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