

## CENTER VALVE FULTON 1 & 2

**Customer: PTRHTF10254**  
 SUGAR CREEK  
 1200 ENTERPRISE RD  
 CAMBRIDGE CITY, IN 47327 USA  
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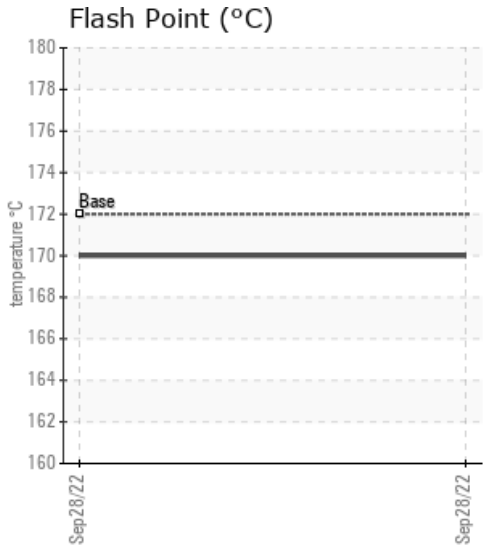
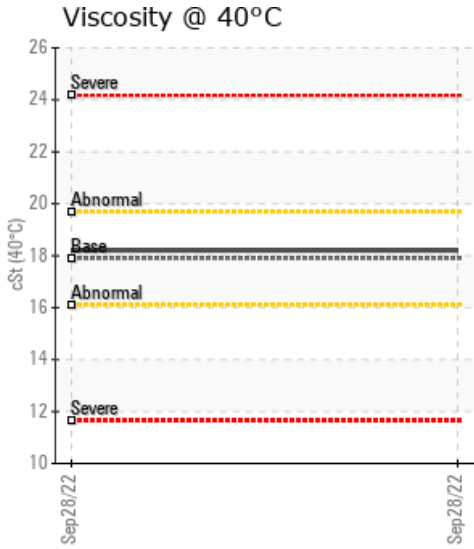
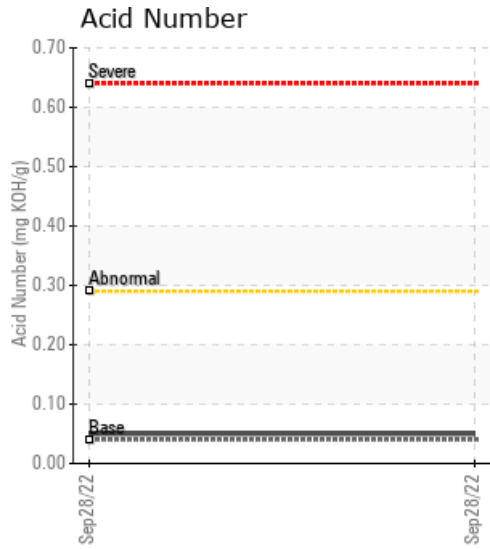
**System Information**  
 System Volume: 5600 ltr  
 Bulk Operating Temp: 550F / 288C  
 Heating Source:  
 Blanket:  
 Fluid: PARATHERM NF  
 Make: FULTON

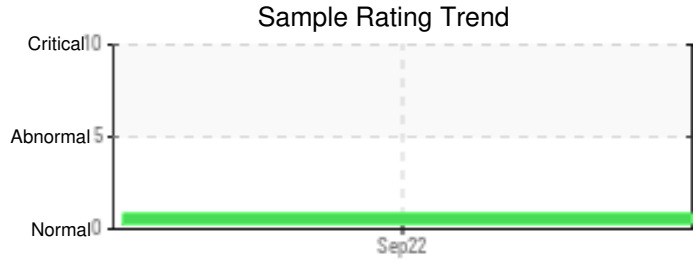
**Sample Information**  
 Lab No: 02519535  
 Analyst: Yvette Trzcinski  
 Sample Date: 09/28/22  
 Received Date: 10/28/22  
 Completed: 11/08/22  
 Yvette Trzcinski  
 yvette.trzcinski@HFSinclair.com

Recommendation: Distillation point, flash point, viscosity and acid number are all at acceptable levels only a slight increase in the distillation point at 10% but the product is in good condition and acceptable for continued service resample in 6-12 months

Comments: (GCD) 10% Distillation Point is marginally high.

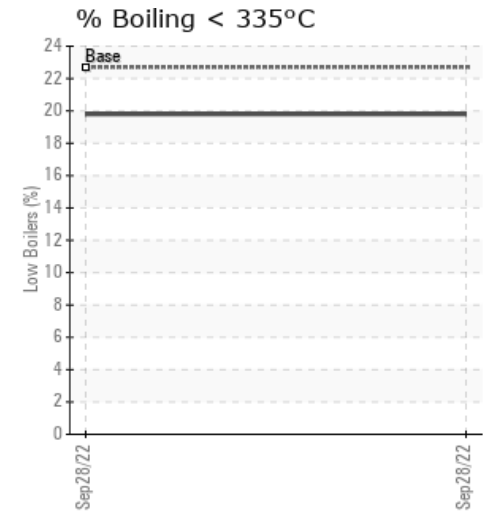
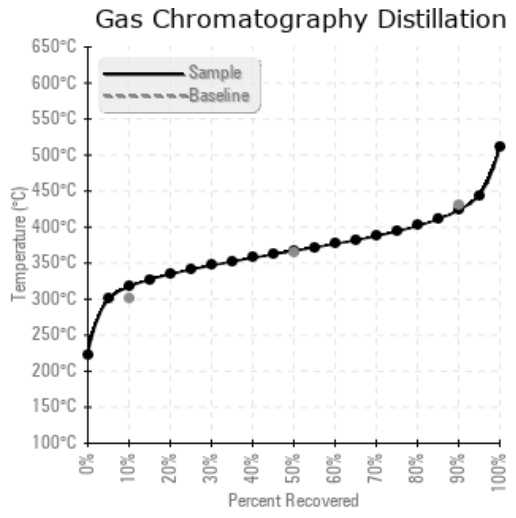
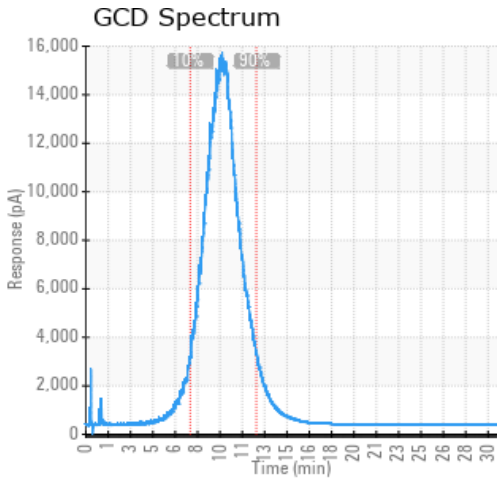
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
09/28/22	10/28/22	1.0y		338 / 170	6.1	18.2	0.05	0.067	603 / 317	693 / 367	794 / 424	19.80
Baseline Data				342 / 172		17.9	0.04		572 / 300	689 / 365	808 / 431	22.7





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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baseline Data			0	0						0			0	0				0	0				0	

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



### Historical Comments


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