

**B05-62**

**Customer: PTRHTF10011**  
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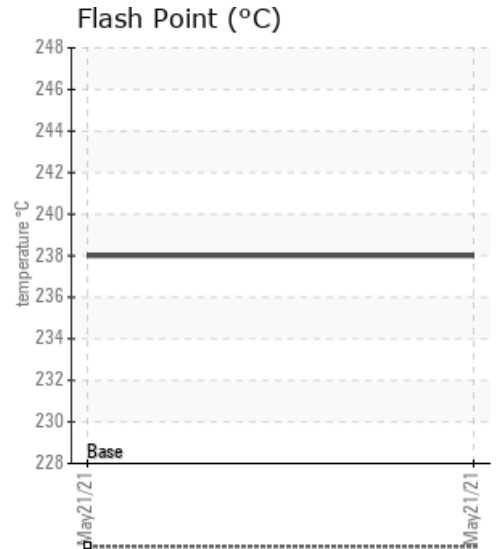
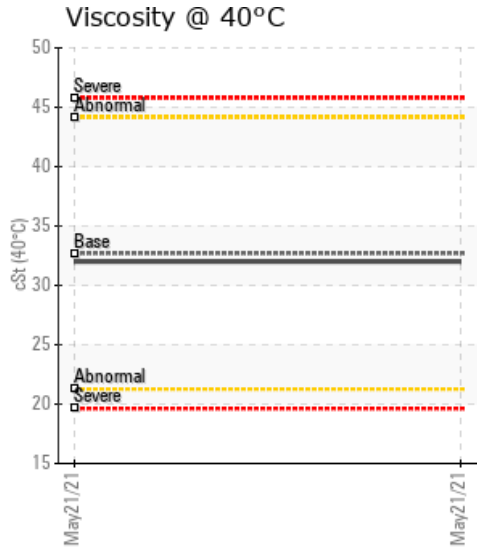
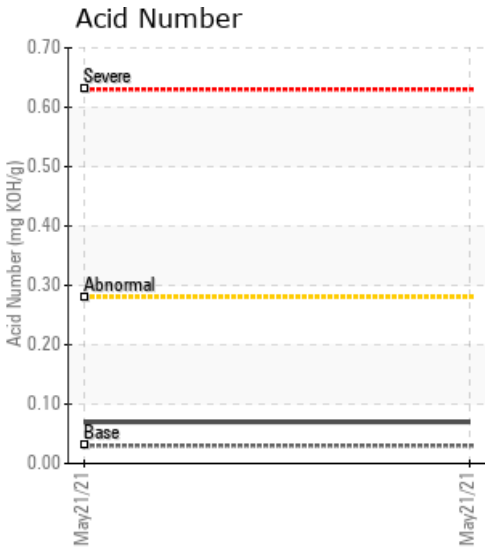
**System Information**  
 System Volume: 250 gal  
 Bulk Operating Temp: 350F / 177C  
 Heating Source:  
 Blanket:  
 Fluid: PETRO CANADA CALFLO AF  
 Make: CHROYOLOX

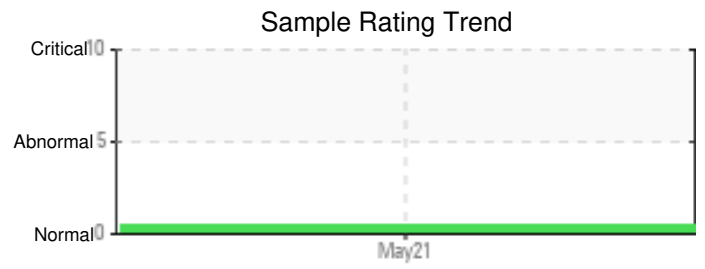
**Sample Information**  
 Lab No: 02448272  
 Analyst: Joe Goecke  
 Sample Date: 05/21/21  
 Received Date: 10/05/21  
 Completed: 10/12/21  
 Joe Goecke  
 Joe.goecke@hollyfrontier.com

Recommendation: Sample is in excellent condition. Continue to use and resample at next scheduled interval.

Comments:

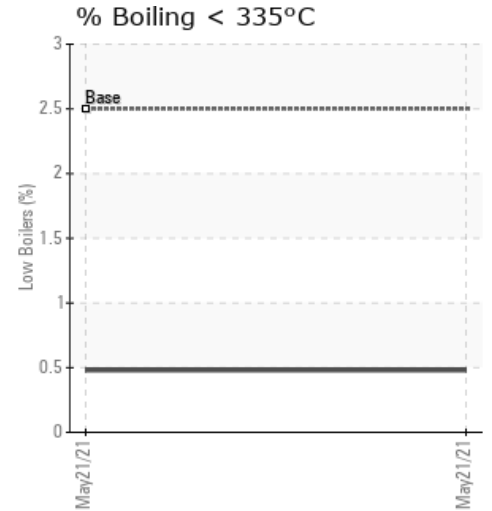
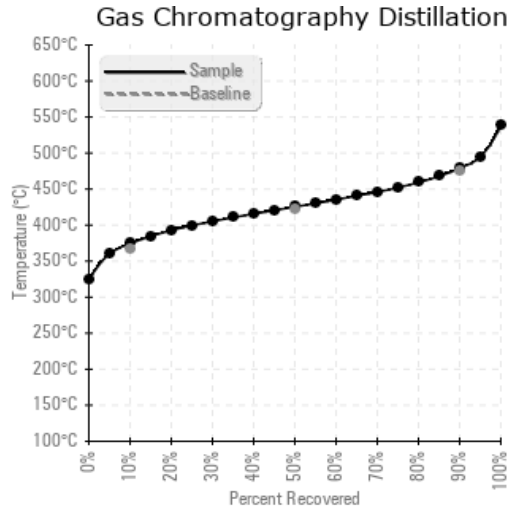
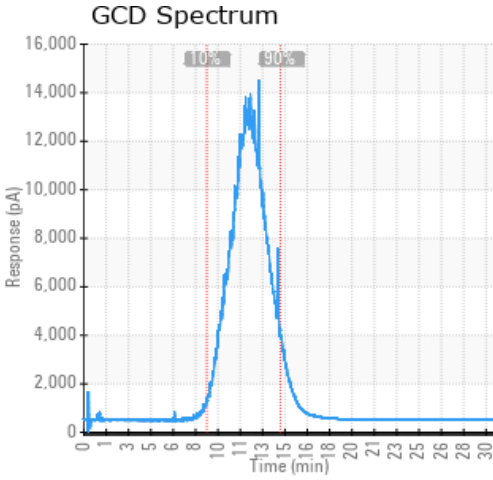
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
05/21/21	10/05/21	6.6y		460 / 238	6.3	32.0	0.07	0.101	706 / 374	798 / 425	894 / 479	0.48
Baseline Data				435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5





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	
05/21/21	42	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	4	0	271	0	
<b>Baseline Data</b>			0	0						0			0	0					0					270	

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



### Historical Comments


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