

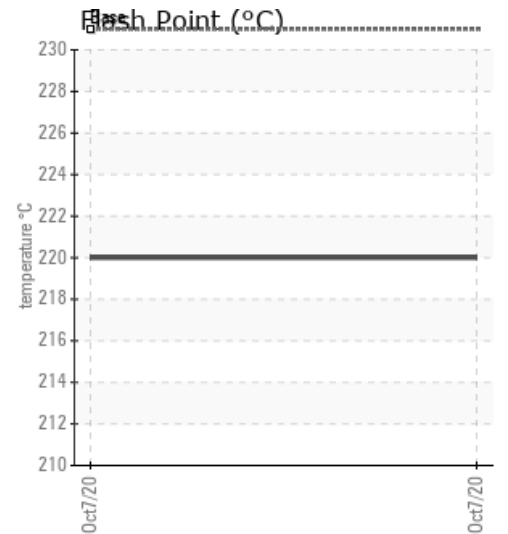
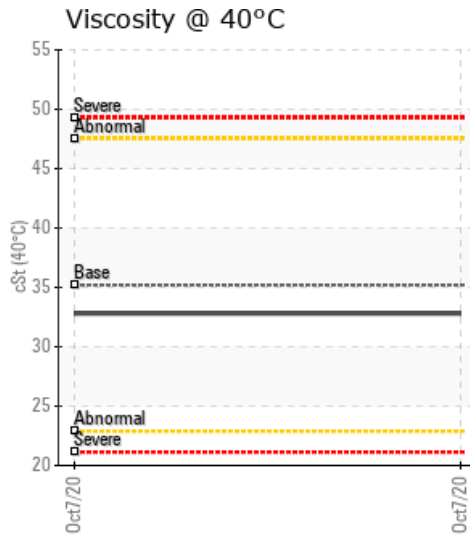
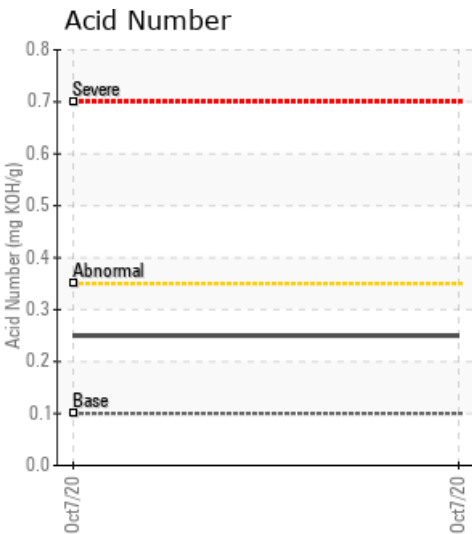
## B5 HOT OIL

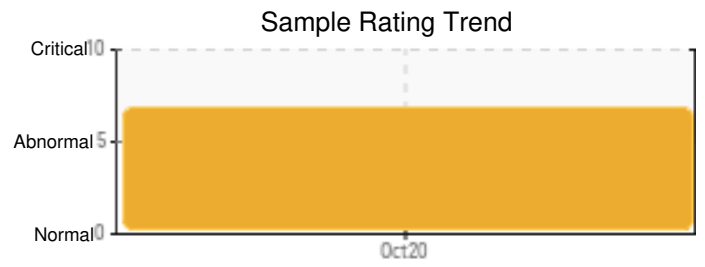
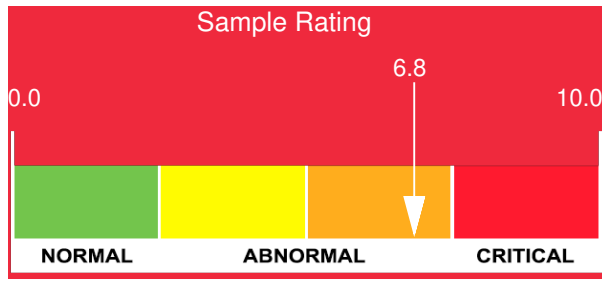
Customer: PTRHTF10150	System Information	Sample Information
PMC ORGANOMETALLIX 2316 HIGHLAND AVE CARROLLTON, KY 41008 USA Attn: Alan Jackson Tel: (502)732-4411 E-Mail: alan.jackson@pmc-group.com	System Volume: 605 g Bulk Operating Temp: 378F / 192C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO HTF Make:	Lab No: 02382981 Analyst: Joe Goecke Sample Date: 10/07/20 Received Date: 10/22/20 Completed: 10/26/20 Joe Goecke Joe.goecke@petrocanadalsp.com

Recommendation: Other than Iron and Tin being higher than we would like sample looks good. Might check pump wear or bearing in pump for possible wear. All oil characteristics normal.

Comments: Tin ppm levels are severe. Iron ppm levels are abnormal.

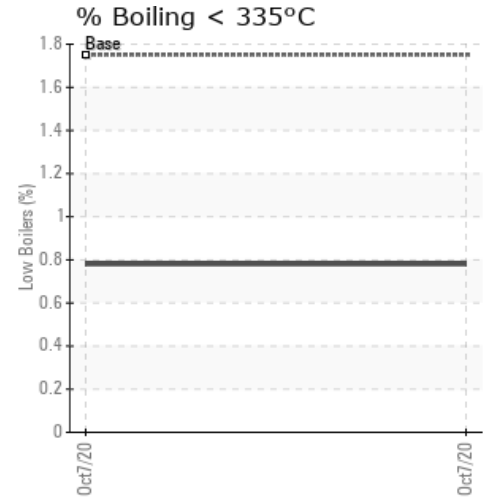
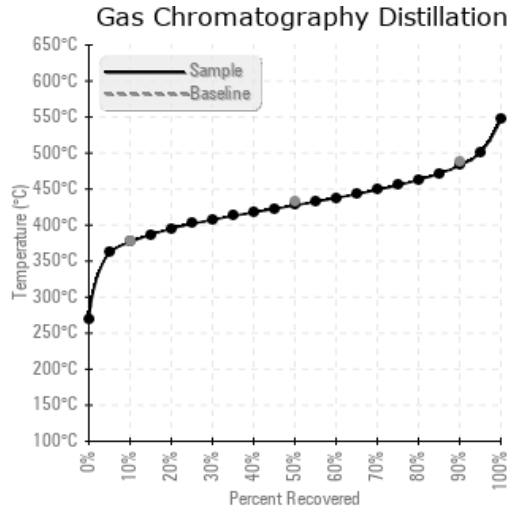
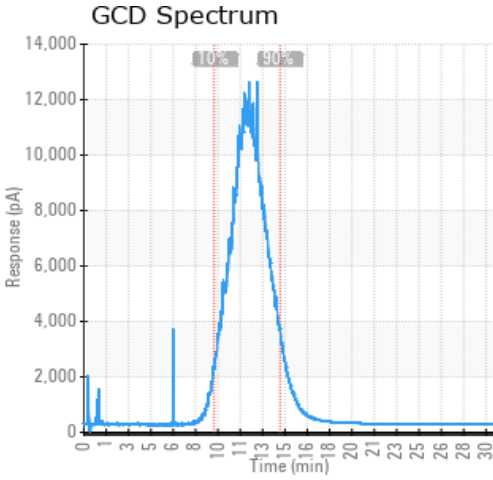
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
10/07/20	10/22/20	10y		428 / 220	98.3	32.8	0.25	0.226	709 / 376	801 / 427	901 / 483	0.78
Baseline Data				448 / 231		35.20	.1		712 / 378	810 / 432	910 / 488	1.75





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
10/07/20	246	0	0	0	0	2	55	0	0	0	1	2	0	0	0	0	4	0	0	0	24	9	129	0
<b>Baseline Data</b>			0	0						0			0	0				0	0					280

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



### Historical Comments


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