

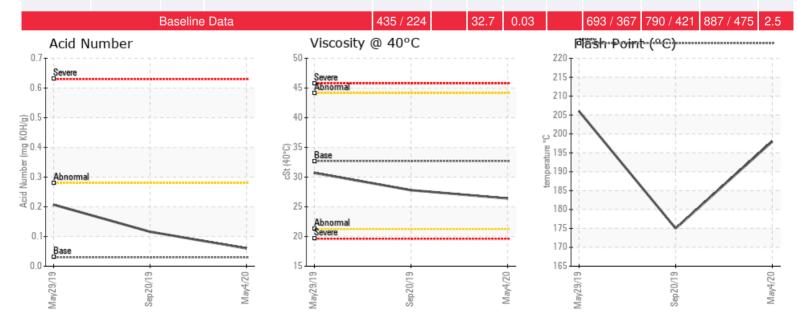
FILLER HEATER

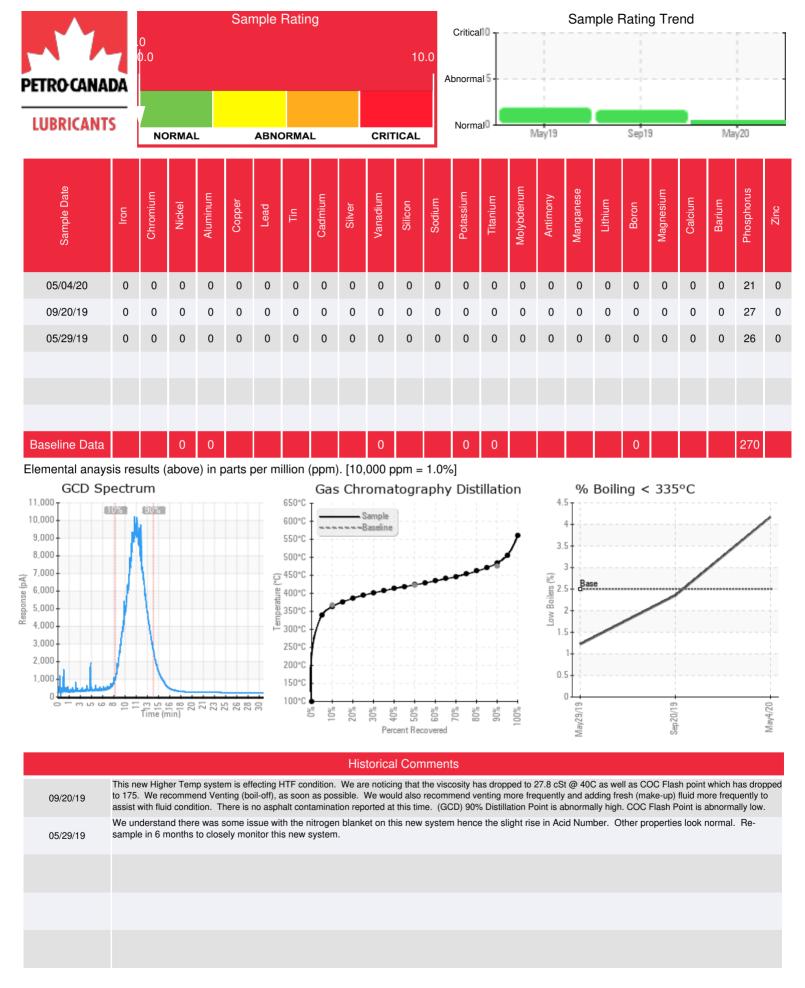
Customer: PTRHTF10068	System Information	Sample Information				
Certainteed - Saint Gobain	System Volume: 2200 gal	Lab No: 02353749				
1077 PLEASANT ST	Bulk Operating Temp: 550F / 288C	Analyst: Doug Vrooman				
NORWOOD, MA 02062 USA	Heating Source:	Sample Date: 05/04/20				
Attn: David Fletcher	Blanket:	Received Date: 05/13/20				
Tel: (781)551-0656	Fluid: PETRO CANADA CALFLO AF	Completed: 05/21/20				
E-Mail: david.r.fletcher@saint-	Make: PERFORMANCE HEATING	Doug Vrooman				
gobain.com		douglas.vrooman@petrocanadalsp.com				

Recommendation: The sample results for the Filler Heater have shown slight improvements with Flash point from 175 to 198. Low boilers GCD 10% 362.9 as well as GCD 90% 483.8 have decrease slightly. Acid number has also decrease from .116 to .06. Continue to monitor at planned intervals.

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	%
05/04/20	05/13/20	12m	DUPLEX	388 / 198	19.2	26.4	0.06	0.093	685 / 363	794 / 423	903 / 484	4.17
09/20/19	10/01/19	7m	DUPLEX PUMPS	347 / 175	41.2	27.8	0.116	0.069	704 / 373	811 / 433	920 / 493	2.35
05/29/19	06/19/19	0m	DUPLEX PUMP	403 / 206	23.8	30.7	0.207	0.155	693 / 367	792 / 422	901 / 483	1.22





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