

## **STILLYARD**

## Customer: PTRHTF10068

Certainteed - Saint Gobain 1077 PLEASANT ST NORWOOD, MA 02062 USA

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## **System Information**

System Volume: 3000 gal

Bulk Operating Temp: 550F / 288C

Heating Source:

Blanket:

Fluid: PETRO CANADA CALFLO AF

Make: C.E. COOPER

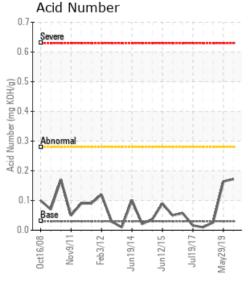
## Sample Information

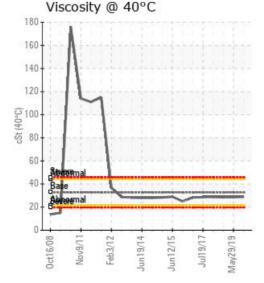
Lab No: 02311912 Analyst: Doug Vrooman Sample Date: 09/20/19 Received Date: 10/01/19 Completed: 10/10/19

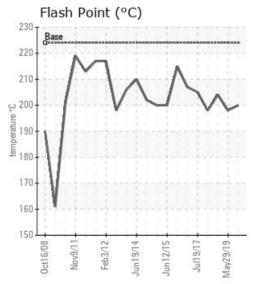
Recommendation: System fluid reports Normal. Test and monitor as usual.

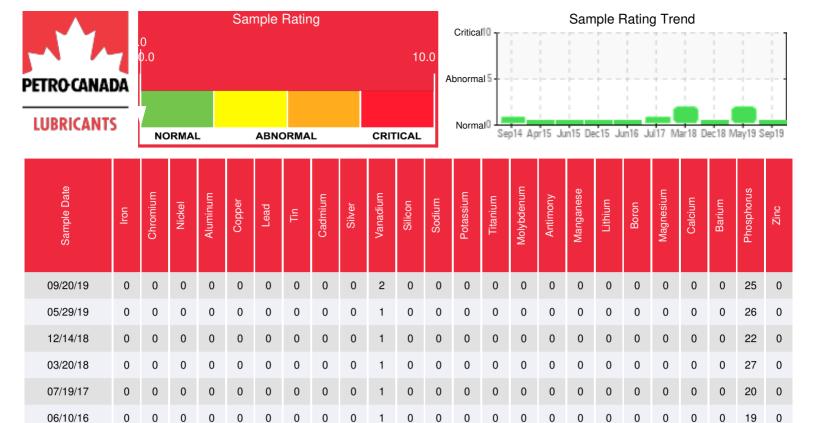
Comments:

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	%
09/20/19	10/01/19	8y	SUCTION TO CIRC.PUMP	392 / 200	24.0	28.9	0.172	0.156	675 / 357	786 / 419	888 / 476	5.45
05/29/19	06/19/19	7у	SUCTION CIRC PUMP	388 / 198	13.0	28.5	0.164	0.276	679 / 360	789 / 420	900 / 482	4.55
12/14/18	01/10/19	6у		399 / 204	4.5	28.5	0.026	0.027	651 / 344	767 / 408	877 / 470	7.42
03/20/18	04/04/18	6у		388 / 198	3.1	28.8	0.01	0.031	674 / 357	785 / 419	896 / 480	5.04
07/19/17	08/08/17	5у	SUCTION TO CIRC PUMP	401 / 205	5.4	28.6	0.016	0.061	711 / 377	802 / 428	912 / 489	3.01
06/10/16	08/25/16	1y	STILLYARD	405 / 207	19.4	28.3	0.057	0.057	676 / 358	788 / 420	892 / 478	5.23
Baseline Data				435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5



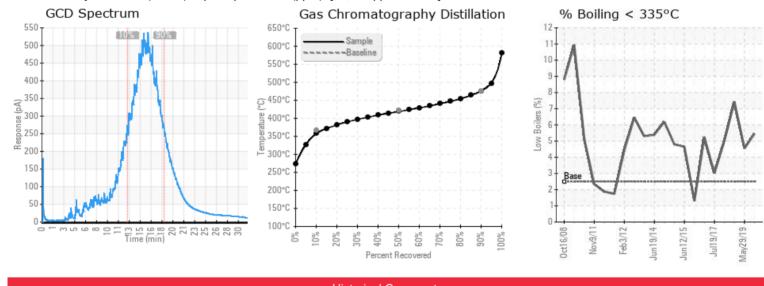






Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]

**Baseline Data** 



Historical Comments							
05/29/19	Everything looks good and holding steady. flash point is strong, no visible signs of increased contaminationby asphalt, moisture or other elements. Please resample at next scheduled interval.						
12/14/18	Everything looks good and holding steady. flash point is strong, no visible signs of increased contamination by asphalt, moisture or other elements. Please resample at next scheduled interval.						
03/20/18	Everything looks good and holding steady. flash point is strong, no visible signs of increased contamination byasphalt, moisture or other elements. Please resample at next scheduled interval.						
07/19/17	Everything looks good and holding steady. flash point is strong, no visible signs of contamination by asphalt, moisture or other elements. Please re-sample at next scheduled interval. (GCD) 90% Distillation Point is marginally high.						
06/10/16	Despite its dark appearance, the fact that barely any elements is detected and the solids content is extremely low, it appears the oil is relatively free of solids. Flash point is strong and oxidation is a non issue. No action needed at this time besides re-sampling at the next schedule interval. if for any reason the system performance does not reflect those good results pls contact us immediately.						

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