

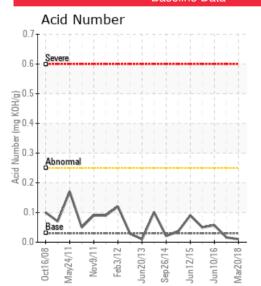
STILLYARD

Customer: PTRHTF10068	System Information	Sample Information
Certainteed - Saint Gobain	System Volume: 3000 gal	Lab No: 02208255
1077 PLEASANT ST	Bulk Operating Temp: 550F / 288C	Analyst: Gaston Arseneault
NORWOOD, MA 02062 USA	Heating Source:	Sample Date: 03/20/18
Attn: David Fletcher	Blanket:	Received Date: 04/04/18
Tel: (781)551-0656	Fluid: PETRO CANADA CALFLO AF	Completed: 04/25/18
E-Mail: david.r.fletcher@saint-	Make: C.E. COOPER	To discuss this report contact Gaston
gobain.com		Arseneault at 973-986-6503

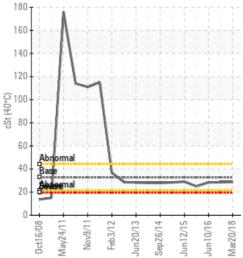
Recommendation: Everything looks good and holding steady. flash point is strong, no visible signs of increased contamination by asphalt, moisture or other elements. Please re-sample at next scheduled interval.

Comments:

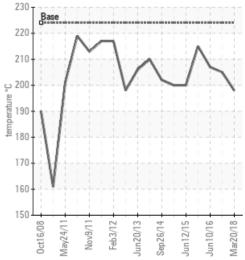
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/ g	%wt	°F/°C	°F/°C	°F/°C	%
03/20/18	04/04/18	6у		388 / 198	3.1	28.8	0.01	0.031	674 / 357	785 / 419	896 / 480	5.04
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
12/08/15	12/17/15	Зу	SUCTION TO CIRC PUMP	419 / 215	2.1	25.0	0.05	0.101	701 / 371	795 / 424	898 / 481	1.31
06/12/15	06/30/15	6у	SUCTION TO CIRC PUMP	392 / 200	13.9	29.0	0.09	0.026	683 / 361	795 / 424	906 / 486	4.65
04/01/15	04/02/15	7у	SUCTION TO CIRC PUMP	392 / 200	23.8	28.4	0.036	0.066	675 / 357	786 / 419	900 / 482	4.80
Baseline Data		435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5		



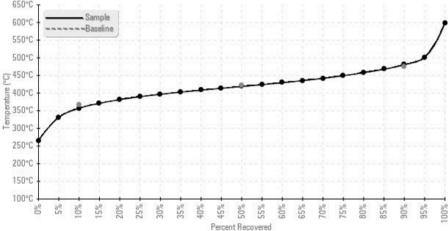
Viscosity @ 40°C

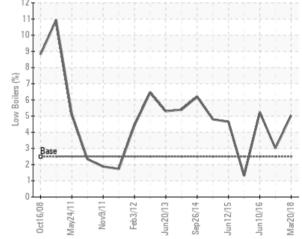


Flash Point (°C)









Historical Comments

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.
12/08/15	Fluid is in excellent condition, please re-sample at the next scheduled interval.
06/12/15	Everything is looking good with this sample. Re-sample at next scheduled interval. (GCD) 90% Distillation Point is marginally high.
04/01/15	Oil is in good condition. We are starting to see some oxidation and thermal cracking occurring.Please sample at the next testing interval. Visc @ 40°C is abnormally high.

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