

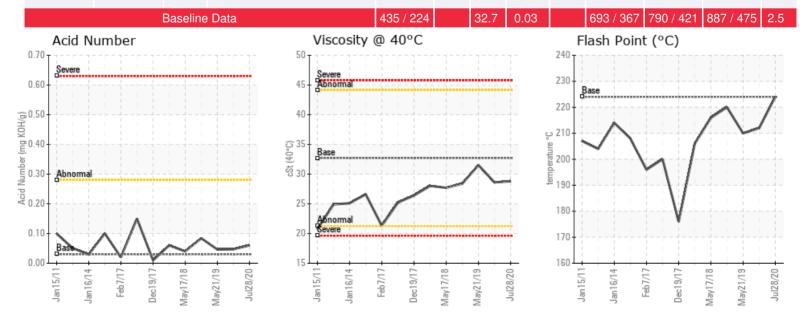
MODIFIED ROOM

Customer: PTRHTF10059	System Information	Sample Information
CERTAINTEED - SAINT GOBAIN	System Volume: 320 gal	Lab No: 02368433
11519 US RT 250 N	Bulk Operating Temp: 480F / 249C	Analyst: Yvette Trzcinski
MILAN, OH 44846 USA	Heating Source:	Sample Date: 07/28/20
Attn: DAVE BLAKELY	Blanket:	Received Date: 08/05/20
Tel: (419)541-0843	Fluid: PETRO CANADA CALFLO AF	Completed: 08/14/20
E-Mail: dave.l.blakely@saint-gobain.com	Make: FIRST THERMOL	Yvette Trzcinski
		vvette.trzcinski@petrocanadalsp.com

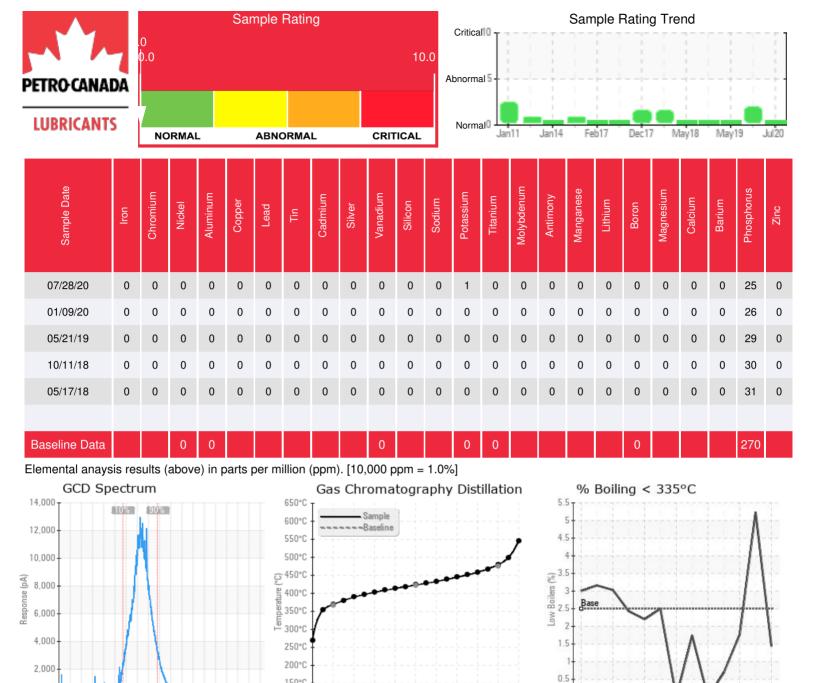
Recommendation: Viscosity has remained constant from the last sample in January and the low boilers amount has decreased - flash point looks good, Resample at the next sampling interval

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	%
07/28/20	08/05/20	0h	FILTER DRAIN	435 / 224	20.9	28.8	0.06	0.030	696 / 369	793 / 423	895 / 479	1.44
01/09/20	01/17/20	3h		414 / 212	4.4	28.6	0.047	0.057	666 / 352	776 / 413	882 / 472	5.23
05/21/19	05/31/19	0h		410 / 210	9.2	31.5	0.046	0.008	687 / 364	790 / 421	898 / 481	1.77
10/11/18	10/24/18	0h		428 / 220	16.4	28.4	0.084	0.066	689 / 365	785 / 418	876 / 469	0.69
05/17/18	05/24/18	0h	LINE1 COATER RETURN	421 / 216	7.4	27.7	0.04	0.044	676 / 358	757 / 403	873 / 467	0.00



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150°C

100°C

% %0 20% 30% 10% 50% Percent Recovered

0

ыc

0

Jan 15/11

Jan 16/14

Feb7/17

Dec19/17

May17/18

May21/19

Jul28/20

	nistorical Confinents
01/00/20	The oil condition overall is good, it still has that light and clear appearance. The viscosity has dropped a bit and low boilers gone up a bit too even though the flash point remains strong. Resample at the next scheduled interval and if the low boilers and viscosity keep on trending this way we will recommend to do a vent off and replace volume losses with fresh oil.
05/21/19	Everything looks good, the fluid condition is great and degradation and contamination are not detected.
10/11/18	The condition looks good overall and we see no action needed at this time besides resampling in 6 months.
05/17/18	The last recommendation was to vent some of the low boilers out of the system. We're not sure if this was done but the flash point increased slightly. The condition looks good and we see no action needed at this time besides re-sampling in 6 months.

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