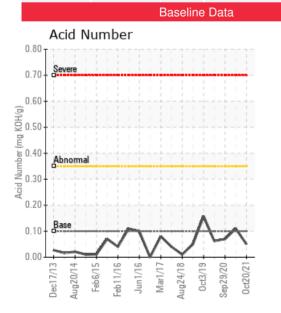


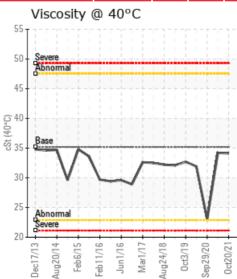
Customer: PTRHTF10141	System Information	Sample Information
TAMKO BUILDING PRODUCTS	System Volume: 110 gal	Lab No: 02453407
2300 35TH ST	Bulk Operating Temp: 350F / 177C	Analyst: Jake Finn
TUSCALOOSA, AL 35401 USA	Heating Source:	Sample Date: 10/20/21
Attn: Greg Colburn	Blanket:	Received Date: 11/02/21
Tel: (205)752-3555	Fluid: PETRO CANADA CALFLO HTF	Completed: 11/10/21
E-Mail: gregory_colburn@tamko.com	Make: Heat Exchanger And T	Jake Finn
		jake.finn@hollyfrontier.com

Recommendation: Sample indicates the system fluid is in great condition and is suitable for continued use.

Comments: Very light debris noted by lab

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	%
10/20/21	11/02/21	0.0m		442 / 228	22.3	34.1	0.05	0.045	725 / 385	817 / 436	925 / 496	1.07
05/07/21	05/19/21	0.0m		442 / 228	5.9	34.2	0.11	0.060	716 / 380	803 / 428	902 / 484	1.44
09/29/20	10/07/20	0.0m		352 / 178	12.3	23.0	0.07	0.046	593 / 312	803 / 428	916 / 491	12.87
03/05/20	03/13/20	0.0m	PORT	435 / 224	15.7	31.9	0.062	0.073	708 / 376	803 / 428	904 / 485	0.13
10/03/19	10/15/19	0.0m		381 / 194	27.2	32.7	0.158	0.081	729 / 387	822 / 439	919 / 493	0.41





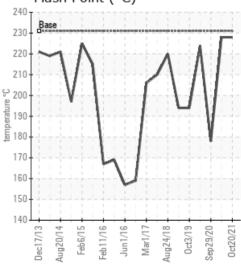
448 / 231

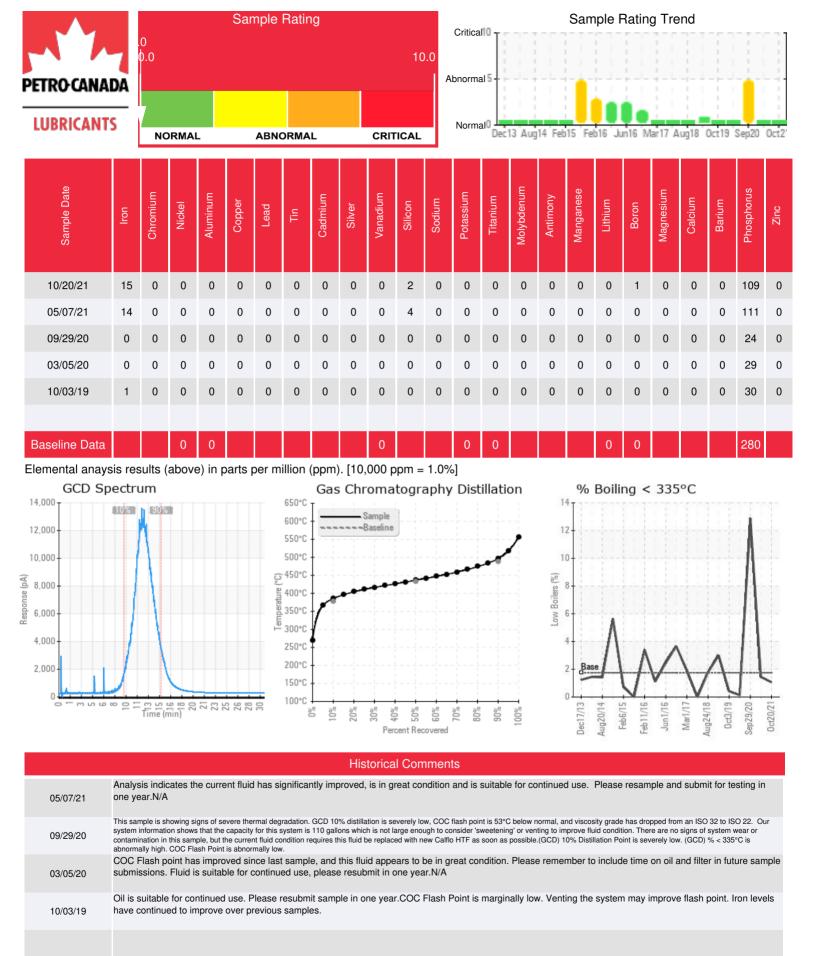
35.20

1

Flash Point (°C)

712/378 810/432 910/488 1.75





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