

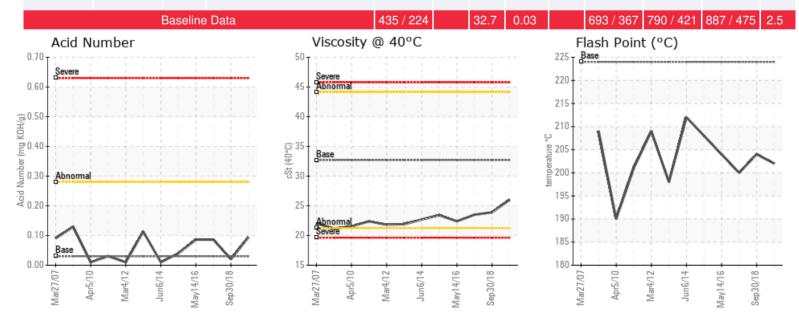
Recommendation: The oil is holding steady with the properties remaining normal from sample to sample. Contamination by asphalt, water or other elements is insignificant or non-detectable. No actions needed at this time. Re-sample at next scheduled interval

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Comments: (GCD) 90% Distillation Point is marginally low.

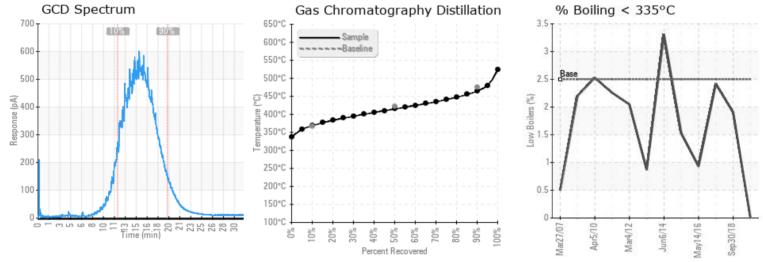
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Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/ g	%wt	°F/°C	°F/°C	°F/°C	%
09/24/19	10/21/19	0.0y	MAIN SYSTEM FLOW	396 / 202	19.1	26.0	0.094	0.093	695 / 368	778 / 415	868 / 464	0.00
09/30/18	10/10/18	0.0y		399 / 204	17.0	23.9	0.02	0.028	674 / 357	754 / 401	859 / 459	1.90
09/02/17	09/12/17	4.0y	MAIN SYSTEM FLOW	392 / 200	10.1	23.5	0.086	0.037	683 / 362	772 / 411	867 / 464	2.42
05/14/16	05/24/16	0.0y	MAIN SYSTEM FLOW	399 / 204	3.4	22.4	0.086	0.198	683 / 362	762 / 405	855 / 457	0.93
04/15/15	05/07/15	0.0y	MN FLOW/MN SYS PUMP	406 / 208	15.4	23.4	0.04	0.025	686 / 363	774 / 412	872 / 467	1.53



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Historical Comments

09/30/18	The results are consistent with previous history. Resample at next scheduled interval. (GCD) 90% Distillation Point is abnormally low.
09/02/17	The oil condition is consistent with previous samples. The viscosity remains low but the flash point is staying strong. No immediate action is required at this time but you can vent the low boilers out and replace the lost volume with fresh oil as preventative measure. Re-sample at next normal interval. (GCD) 90% Distillation Point is marginally low.
05/14/16	(GCD) 90% Distillation Point is marginally low. Pentane insolubles have increased but are still below the 0.5% condemning limit.
04/15/15	Viscosity of fluid at 23.4 cSt @ 40C and from previous used oil samples does not correspond to the viscosity of Calflo AF at 32.3 cSt. Sulfur levels of 2116 ppm are much higher than typical new oil values of less than 1 ppm. Investigate source of contaminants. Other properties look good.

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