

Recommendation: Sample results indicate that the fluid is suitable for continued service.increased % boil-off now at 5.15. This likely indicates thermal degradation or could be related to high blanket gas pressure. Vent expansion tank to remove low boiling vapors from system. If blanket gas is required for proper circulation pump suction head, venting may have to be performed during an outage. Re-sample in 12 months after thorough venting of expansion tank.

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	%
01/21/19	02/01/19	4y		410 / 210	92.4	34.5	0.185	0.055	673 / 356	780 / 416	892 / 478	5.16
05/06/18	05/07/18	13000y		442 / 228	18.4	34.9	0.05	0.043	708 / 376	814 / 434	918 / 492	2.82
01/14/17	02/13/17	4y	SIGHT GLASS	446 / 230	13.5	42.9	0.03	0.062	727 / 386	813 / 434	907 / 486	0.15





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