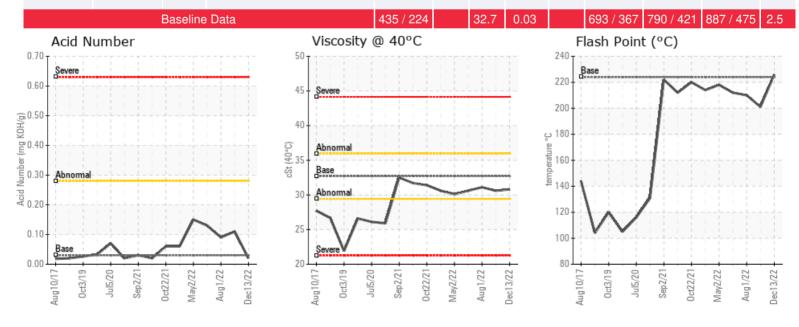


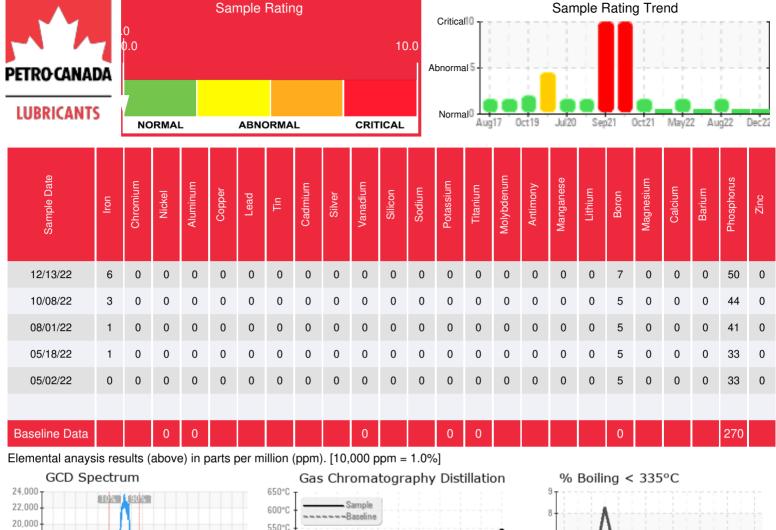
Recommendation: Units are being sampled at very short intervals recommended sampling for heat transfer systems with no issues is 12 months. Sample results indicate that the fluid is in suitable condition for continued service.

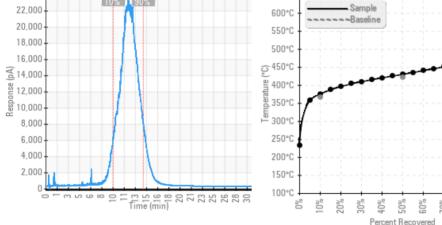
Comments:

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	%
12/13/22	12/22/22	18.0m	after pump discharge	439 / 226	26.0	30.8	0.02	0.020	708 / 376	807 / 430	902 / 484	1.50
10/08/22	10/17/22	0.0m	PUMP	394 / 201	137.0	30.6	0.11	0.333	706 / 374	805 / 429	899 / 482	1.86
08/01/22	08/18/22	1.3m	PUMP DISCHARGE	410 / 210	<mark>474.1</mark>	31.1	0.09	0.116	705 / 374	805 / 429	898 / 481	1.83
05/18/22	05/26/22	1.0m		414 / 212	173.5	30.6	0.13	0.080	702 / 372	804 / 429	899 / 481	2.32
05/02/22	05/09/22	1.0m	Hot oil filter	424 / 218	712.7	30.1	0.15	0.049	705 / 374	806 / 430	900 / 482	1.65

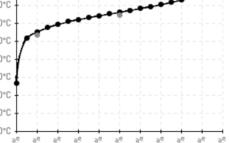


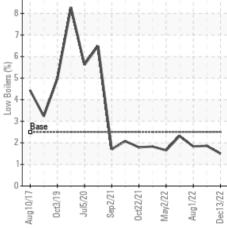
Report ID: [02530446] (Generated: 03/03/2023 10:20:15) - Page 1 - Copyright 2023 Wearcheck Inc. All Rights Reserved.











## **Historical Comments**

10/08/22	Sample results indicate that the fluid is in good condition and is suitable for continued service. Pentane insolubles are up slightly from the last sample. Resample in 12 months.
08/01/22	Fluid is in good condition, water is up slightly and should be boiled off. vent steam to ensure there are no unwanted boil overs. Fluid iPH is 6.26 with acid number being very low at 0.09. Fluid is suitable for continued service. Resample in 12 months. Water contamination levels are marginally high. Water contamination levels are marginally high. Dependent of the service of the
05/18/22	Sample results indicate that the fluid is in suitable condition for continued service. Resample in 12 months.
05/02/22	Water was flagged again, ensure any ingress points are closed up. Is there any process locations that could allow water to enter the heating fluid? It would be best to boil off excess water to reduce the corrosion risk, vent the steam to ensure there are no unwanted boil overs. Resample in 6 months Water contamination levels are abnormally high.

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