

VAPOR POWER

Customer: PTRHTF30020

IKO INDUSTRIES HAWKESBURY 1451 SPENCE ROAD HI-PARTS-HAWK YARD HAWKESBURY, ON K6A 3T4 Canada

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System Information

System Volume: 600 gal

Bulk Operating Temp: 500F / 260C

Heating Source:

Blanket:

Fluid: PETRO CANADA PETRO-THERM

Make: VAPOR POWER

Sample Information

Lab No: 02501221 Analyst: Yen Garcia Sample Date: 07/14/22 Received Date: 07/21/22 Completed: 07/25/22

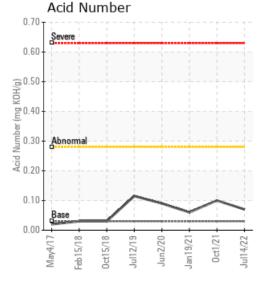
Yen Garcia

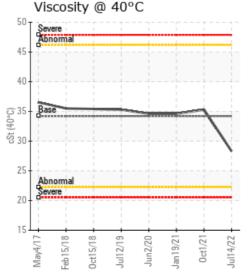
yen.garcia@hollyfrontier.com

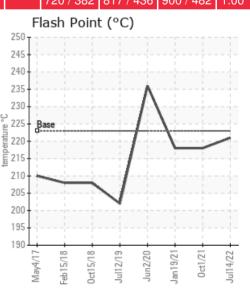
Recommendation: No wear, no contamination are present in sample. Viscosity and AN (acid number) are correct. COC flash point is good. GCD 10% is to report with severity 2 (yellow flag) and GCD 90% is good. Pentanes insolubles are good. The oil condition is good, very small indication of oil brake-down, which is minimal. Please keep monitoring the oil.

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	%
07/14/22	07/21/22	0.0y		430 / 221	29.5	28.3	0.07	0.080	680 / 360	783 / 417	910 / 488	5.11
10/01/21	10/20/21	1.0y		424 / 218	17.0	35.3	0.10	0.045	718 / 381	815 / 435	918 / 492	2.22
01/19/21	01/22/21	3.0y		424 / 218	8.8	34.6	0.06	0.145	723 / 384	816 / 436	918 / 492	1.30
06/02/20	06/11/20	3.0y	HOT OIL BOILER	457 / 236	12.3	34.6	0.09	0.119	723 / 384	816 / 436	915 / 491	1.30
07/12/19	07/18/19	1.0y		396 / 202	23.2	35.3	0.115	0.164	707 / 375	804 / 429	915 / 491	0.84
		Baseline	Data	433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00

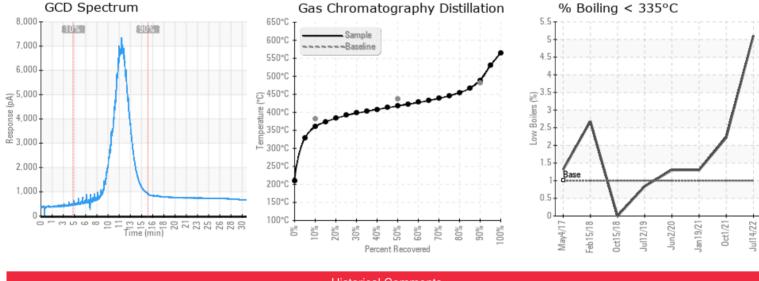








Elemental analysis results (above) in parts per million (ppm). [10,000 ppm = 1.0%]



	Historical Comments							
10/01/21	The oil condition is good, very small indication of oil brake-down which is minimal. please keep monitoring the oil							
01/19/21	THe High Boilers (GCD @90%) are marginally high. These could deposit in elbows and small lines. The Heat transfer oil is OK, for continuous use. (GCD) 90% Distillation Point is marginally high.							
06/02/20	Ok for continuous use							
07/12/19	You have some carbon buildup (GCD @90%) is high.							

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