

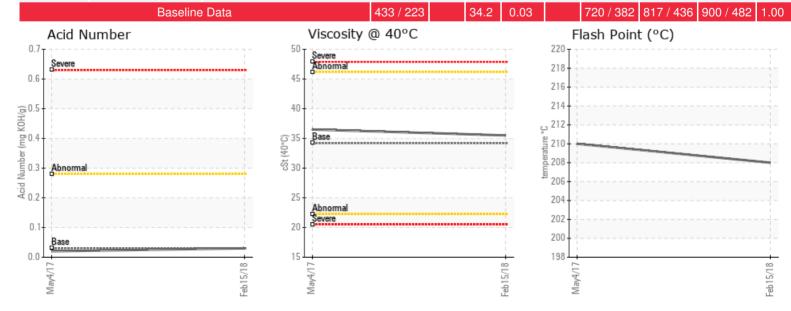
VAPOR POWER

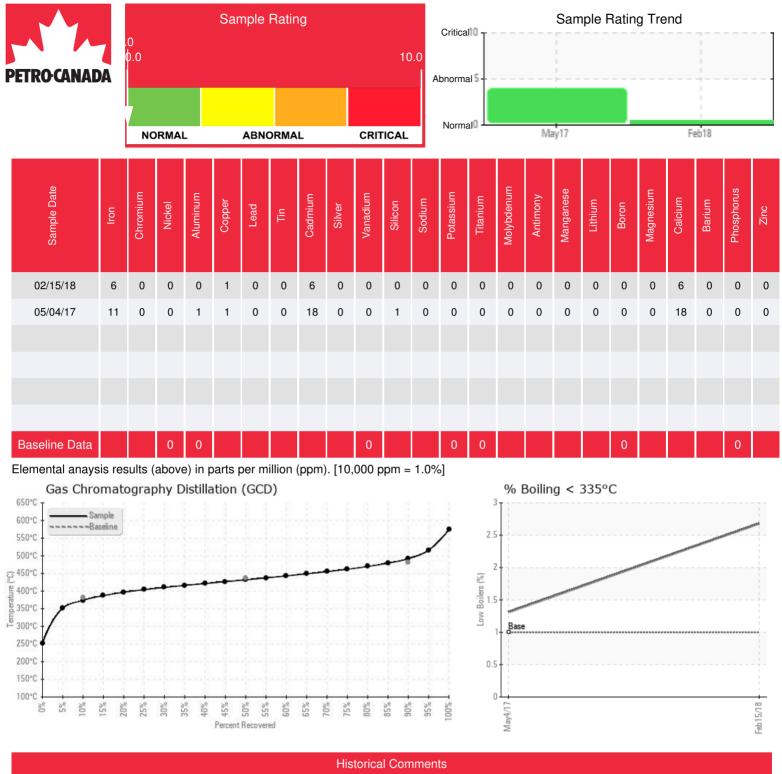
Customer: PTRHTF30020	System Information	Sample Information			
IKO INDUSTRIES HAWKESBURY	System Volume: 600 gal	Lab No: 02199995			
1451 SPENCE ROAD	Bulk Operating Temp: 500F / 260C	Analyst: Pierre Castagne			
HI-PARTS-HAWK YARD	Heating Source:	Sample Date: 02/15/18			
HAWKESBURY, ON K6A 3T4 Canada	Blanket:	Received Date: 02/22/18			
Attn: FLORENTIN TOPA	Fluid: PETRO CANADA PETRO-THERM	Completed: 03/08/18			
Tel: (613)632-8581	Make: VAPOR POWER	To discuss this report contact Pierre			
E-Mail: florentin.topa@iko.com		Castagne at 450-981-0693			

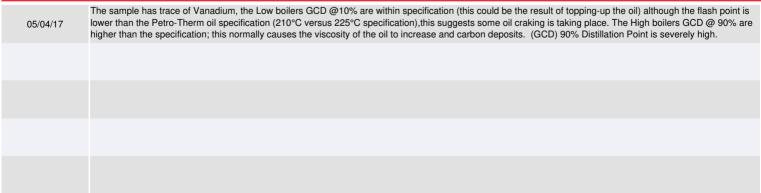
Recommendation: High boilers (GCD @ 90%) increase viscosity, as a result carbon deposit settle in low flow/disturbance areas and foul heat exchange surfaces. Looking at the curve, it appears that a low viscosity oil mixture has occurred.

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	%
02/15/18	02/22/18	243y		406 / 208	5.3	35.5	0.03	0.038	705 / 374	809 / 432	917 / 492	2.68
05/04/17	05/11/17	1y	HOT OIL BOILER	410 / 210	18.9	36.5	0.02	0.069	712 / 378	814 / 434	937 / 503	1.31







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