

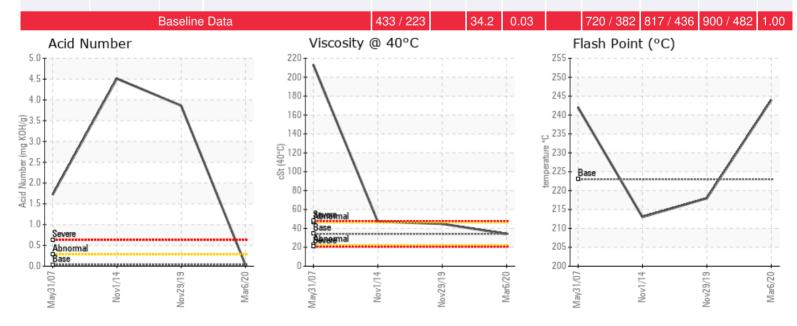
ASHCROFT

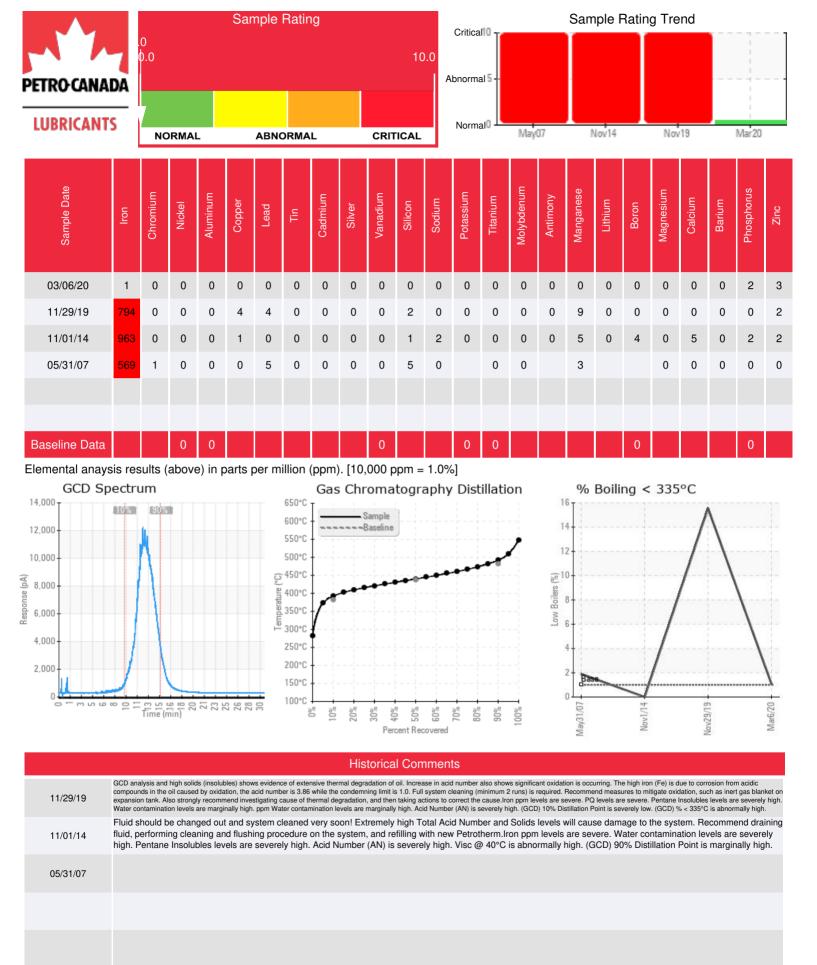
Customer: PTRHTF20075	System Information	Sample Information
KOPPER ASHCROFT INC.	System Volume: 5000 ltr	Lab No: 02358761
PO BOX 1510	Bulk Operating Temp: 410F / 210C	Analyst: Rob Spiller
ASHCROFT, BC V0K 1A0 Canada	Heating Source:	Sample Date: 03/06/20
Attn: Ryan Headlee	Blanket:	Received Date: 06/10/20
Tel: (250)457-7360	Fluid: PETRO CANADA PETRO-THERM	Completed: 06/30/20
E-Mail: headleern@koppers.com	Make: GEKA	Rob Spiller
		Rob.Spiller@petrocanadalsp.com

Recommendation:

Comments: Sample of new fill of Petro-Therm right after cleaning and flushing procedure shows that cleaning was very effective. No signs of old degraded fluid or solids in the system.

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	%
03/06/20	06/10/20	1d	PUMP	471 / 244	30.4	34.1	0.03	0.086	738 / 392	823 / 440	917 / 492	1.08
11/29/19	12/05/19	2d	PUMP	424 / 218	370.6	44.8	3.86	7.31	552 / 289	770 / 410	893 / 478	15.56
11/01/14	11/10/14	0d	THERMAL OIL PUMP	415 / 213	7190.6	47.2	4.51	10.2	724 / 385	817 / 436	918 / 492	0.00
05/31/07	06/07/07			468 / 242	282	213	1.72	1.73	793 / 423		898 / 481	1.9





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