

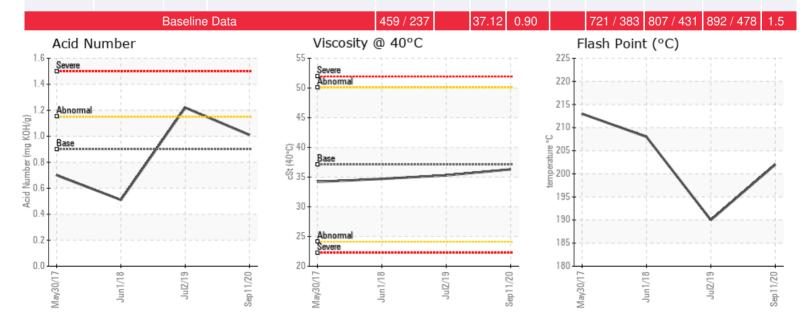
FERROLLI

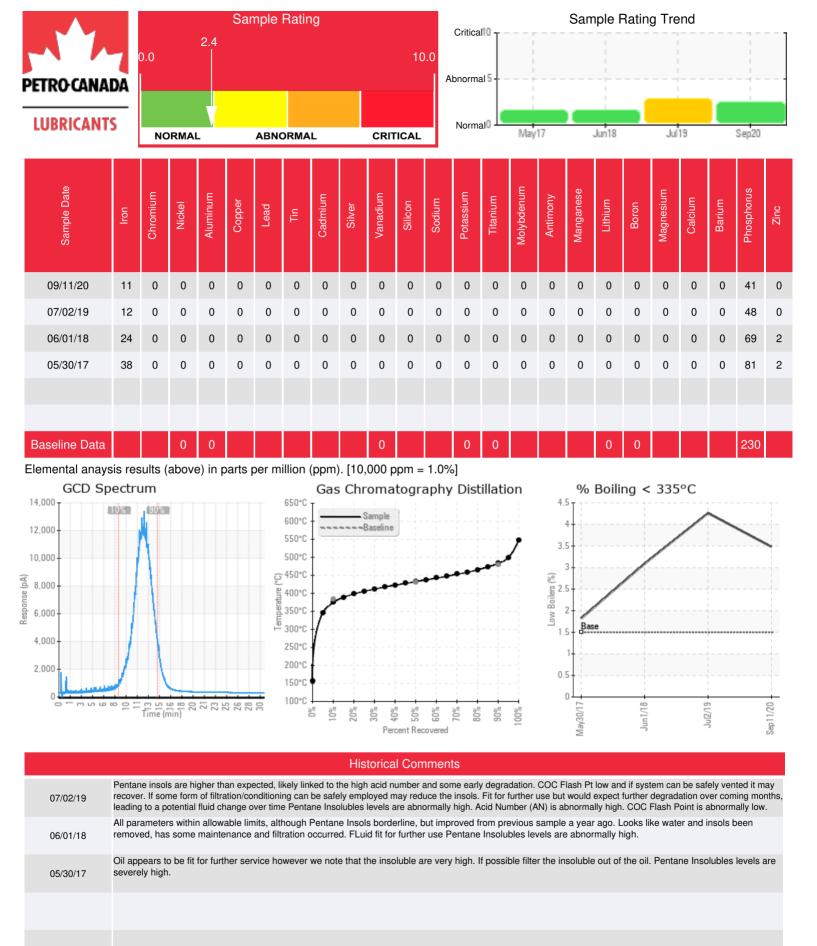
Customer: PTRHTF40007	System Information	Sample Information			
BONFAIT	System Volume: 0 ltr	Lab No: 02376399			
FARADAYWEG 2	Bulk Operating Temp: 0F / -18C	Analyst: Matthias Voss			
OVERIJSSEL	Heating Source:	Sample Date: 09/11/20			
DENEKAMP, OVE NETHERLANDS	Blanket:	Received Date: 09/17/20			
Attn: Maintenance Manager	Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID	Completed: 09/22/20			
Tel:	Make: WANSON	Matthias Voss			
E-Mail:		Matthias.Voss@petrocanadalsp.com			

Recommendation: Oil appears to be fit for further use however we note that the insoluble are very high. If possible filter the insoluble out of the oil.

Comments: Pentane Insolubles levels are severely high.

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	%
09/11/20	09/17/20	13y		396 / 202	34.1	36.3	1.01	0.642	705 / 374	810 / 432	901 / 483	3.48
07/02/19	07/09/19	12y		374 / 190	42.6	35.3	1.22	0.476	692 / 366	801 / 427	893 / 479	4.26
06/01/18	06/08/18	11y		406 / 208	28.5	34.7	0.51	0.414	703 / 373	801 / 427	890 / 477	3.09
05/30/17	06/02/17	10y		415 / 213	41.1	34.2	0.70	0.805	713 / 378	813 / 434	902 / 483	1.82





Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.