

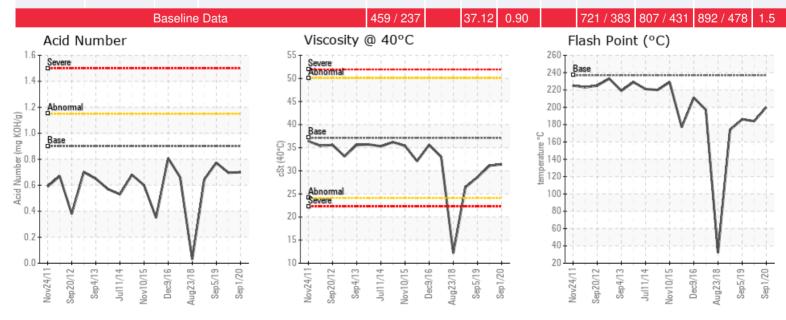
MORA HE

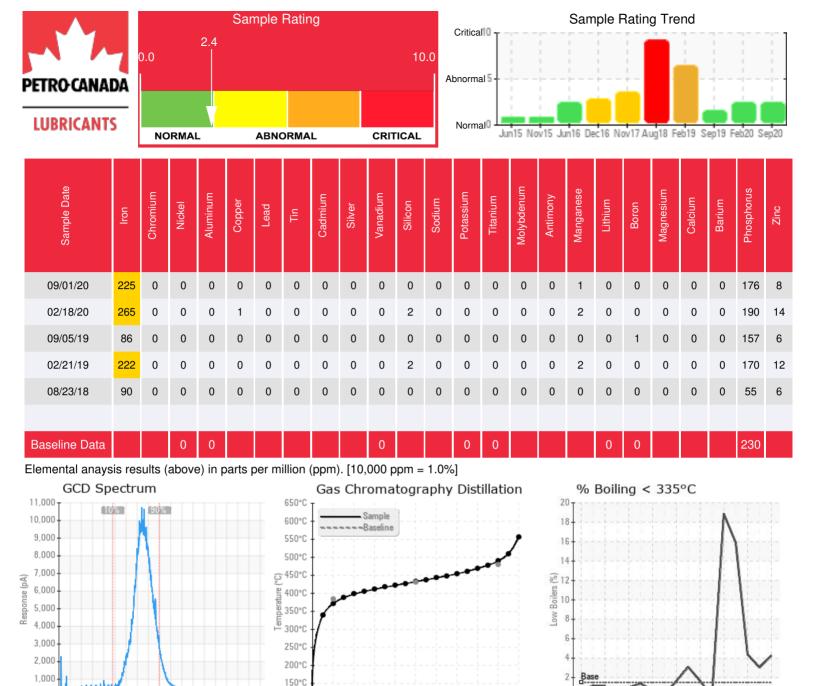
Customer: PTRHTF40043	System Information	Sample Information
MORA PRODUCTIE BV	System Volume: 800 ltr	Lab No: 02374689
FREGATWEG 53	Bulk Operating Temp: 300F / 149C	Analyst: Matthias Voss
MAASTRICHT 6222NZ	Heating Source:	Sample Date: 09/01/20
MAASTRICHT, 6222NZ Netherlands	Blanket:	Received Date: 09/09/20
Attn: WILBERT SNIJERS	Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID	Completed: 09/11/20
Tel:	Make:	Matthias Voss
E-Mail: w.snijers@klt.nl		Matthias.Voss@petrocanadalsp.com

Recommendation: High level of iron so please investigate the source if possible. Fit for further use and re-sample at next scheduled frequency as these are short frequencies with this system

Comments: Iron ppm levels are abnormal. (GCD) 90% Distillation Point is marginally high. COC Flash Point is marginally low.

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	%
09/01/20	09/09/20	18m		392 / 200	13.8	31.4	0.70	0.114	700 / 371	810 / 432	913 / 489	4.27
02/18/20	02/25/20	15m		363 / 184	25.4	31.1	0.696	0.199	706 / 374	824 / 440	928 / 498	3.04
09/05/19	09/11/19	9m		367 / 186	26.5	28.6	0.773	0.084	699 / 370	814 / 435	917 / 492	4.37
02/21/19	02/26/19	3m		345 / 174	11.2	26.4	0.644	0.121	484 / 251	781 / 416	909 / 487	15.89
08/23/18	08/28/18	7m		90 / 32	51.9	12.2	0.03	0.094	486 / 252	768 / 409	864 / 462	18.86





Sep4/13

Sep20/12

Nov24/1

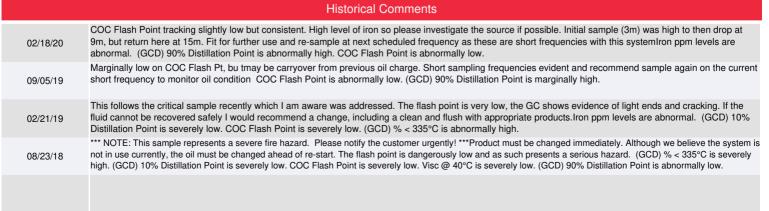
Dec9/16

ua23/18

lov10/15

Sep5/19

Sep 1/20



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100°C

21 25 25 26 28 28 28 28 28 28 28

10 8 6 1

Time (min)