

MAXXTEC

Customer: PTRHTF40063
 VAN DEN DOEL BV
 Markweg Zuid 1b
 Heijningen, 4794 SN Netherlands
 Attn: WILBERT SNIJERS
 Tel:
 E-Mail: w.snijers@klt.nl

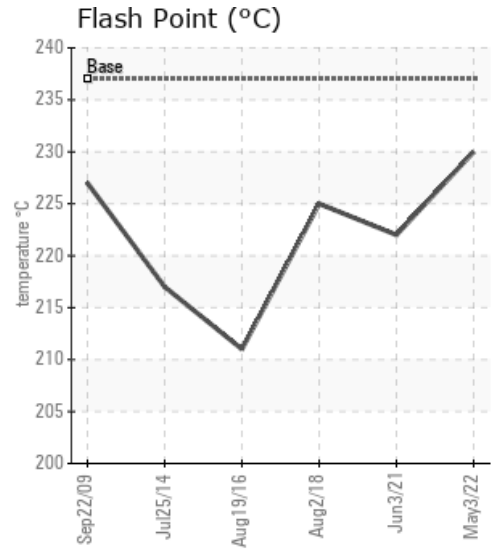
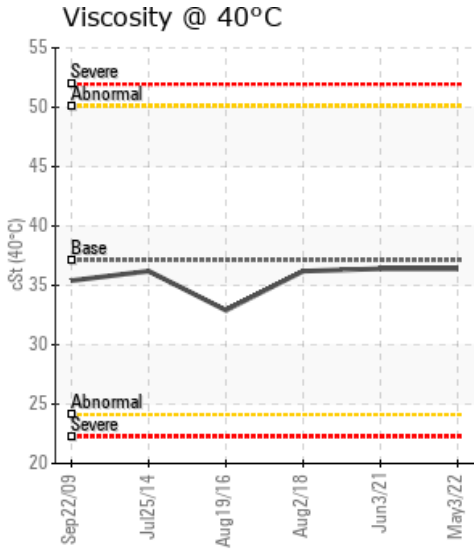
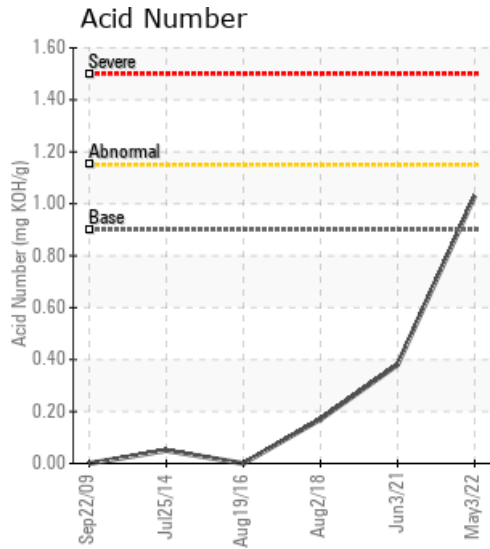
System Information
 System Volume: 6000 ltr
 Bulk Operating Temp: 275F / 135C
 Heating Source:
 Blanket:
 Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID
 Make: MAXXTEC

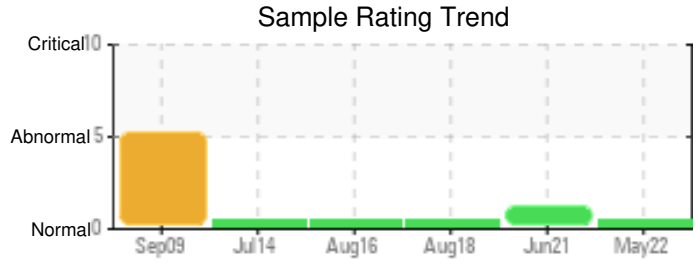
Sample Information
 Lab No: 02487806
 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I
 Sample Date: 05/03/22
 Received Date: 05/10/22
 Completed: 05/25/22
 Bill Quesnel CLS,OMA II,MLA-III,LLA-I

Recommendation: All key parameters within normal limits. Fit for further use. Resample in one years time.

Comments:

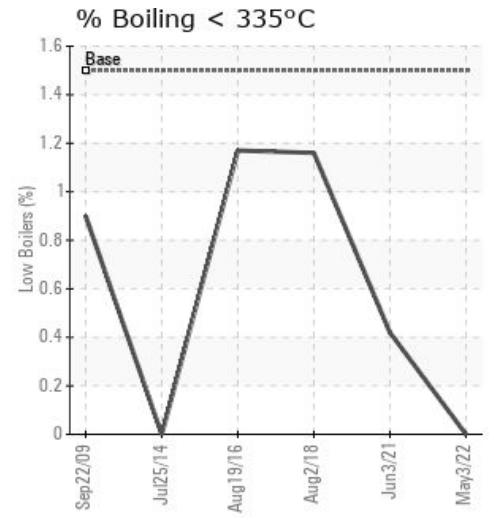
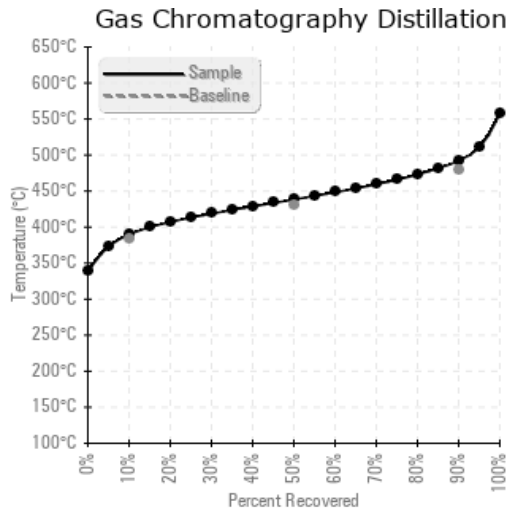
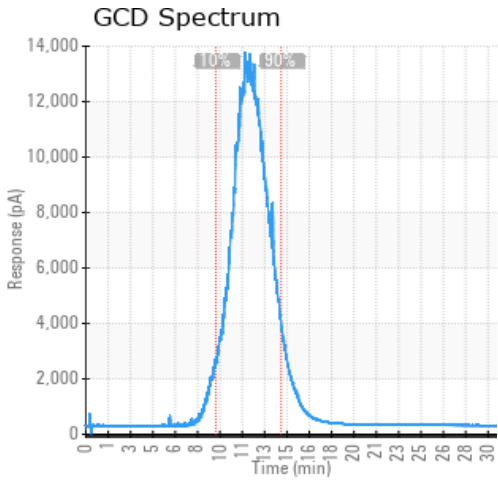
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
05/03/22	05/10/22	0.0y	1st samp aft flush	446 / 230	1.3	36.4	1.03	0.024	733 / 390	821 / 438	918 / 492	0.00
06/03/21	06/16/21	0.0y		432 / 222	15.6	36.4	0.38	0.190	713 / 378	794 / 424	916 / 491	0.42
08/02/18	08/24/18	0.0y		437 / 225	22.2	36.2	0.17	0.109	711 / 377	803 / 429	905 / 485	1.16
08/19/16	08/24/16	10.0y	PTRHTF40063	412 / 211	31.9	32.9	0.000	0.101	712 / 378	805 / 430	906 / 486	1.17
07/25/14	07/31/14	5.0y		423 / 217	0.00	36.2	0.05	0.071	715 / 380	801 / 427	902 / 484	0.00
Baseline Data				459 / 237		37.12	0.90		721 / 383	807 / 431	892 / 478	1.5





Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
05/03/22	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	196	0
06/03/21	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
08/02/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1
08/19/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/25/14	6	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	1
Baseline Data			0	0						0			0	0				0	0				230	

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



Historical Comments

06/03/21	Oil is fit for further use. All parameters look fine, although the acid number is a bit higher than expected, e.g. due to oxidation of the fluid. Acid Number (AN) is a bit higher than expected.
08/02/18	All key parameters within normal limits. Fit for further use
08/19/16	Oil is in good condition and fit for further service. Suggest sample at next scheduled maintenance interval.
07/25/14	Oil looks in very good condition. Sample at next scheduled maintenance interval.

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.