

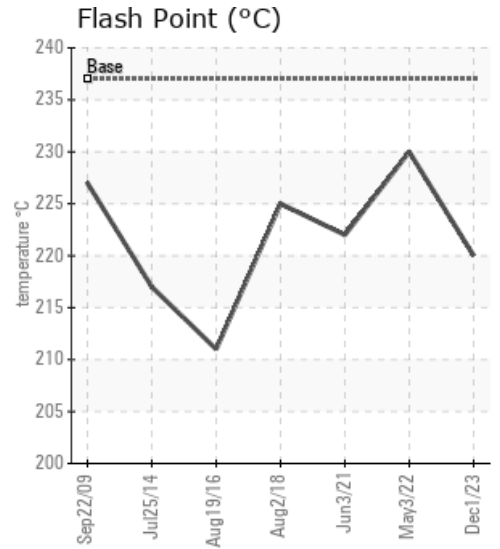
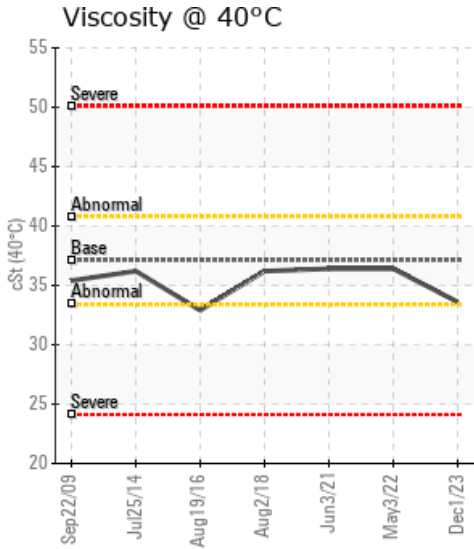
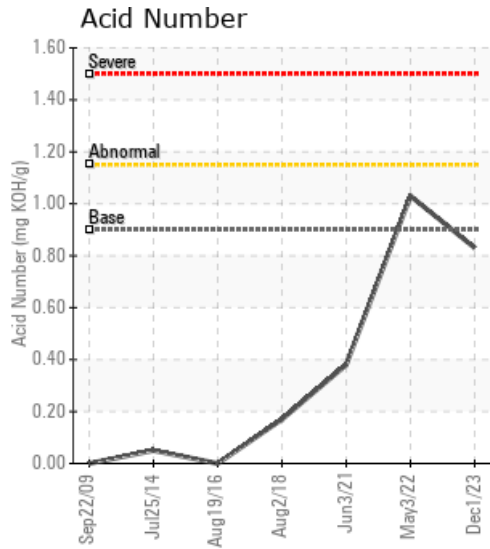
# MAXXTEC

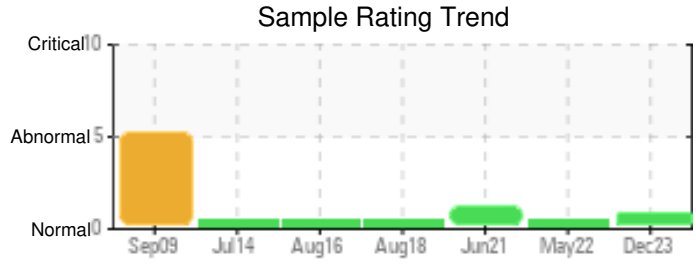
Customer: PTRHTF40063	System Information	Sample Information
VAN DEN DOEL BV Markweg Zuid 1b Heijningen, 4794 SN NL Attn: WILBERT SNIJERS Tel: E-Mail: w.snijers@klt.nl	System Volume: 6000 ltr Bulk Operating Temp: 275F / 135C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make: MAXXTEC	Lab No: 02604267 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I Sample Date: 12/01/23 Received Date: 12/19/23 Completed: 01/02/24 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:

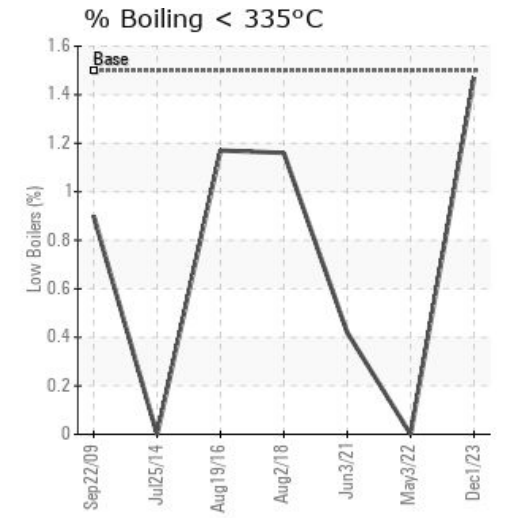
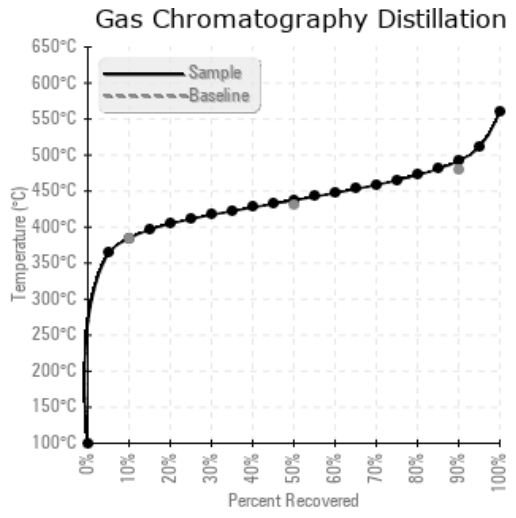
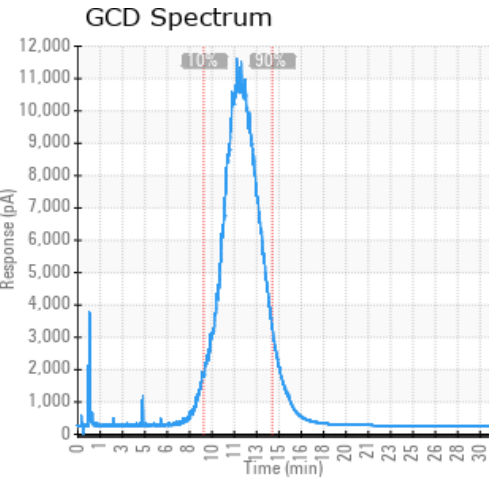
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
12/01/23	12/19/23	1.5y		428 / 220	41	33.6	0.83	0.094	724 / 384	819 / 437	918 / 492	1.47
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
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
12/01/23	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0
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
<b>Baseline Data</b>			0	0						0			0	0				0	0				230	

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



Historical Comments	
05/03/22	All key parameters within normal limits. Fit for further use. Resample in one years time.
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.

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