

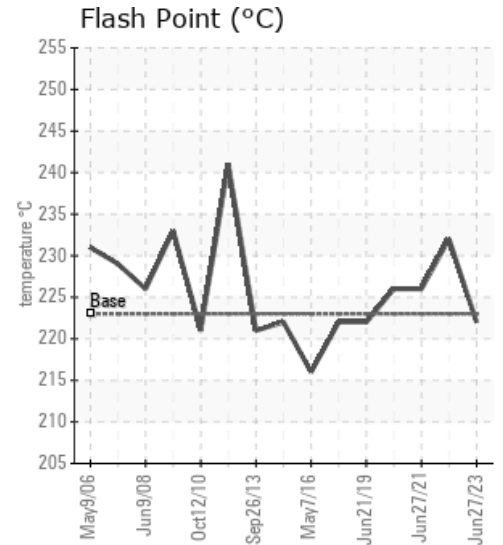
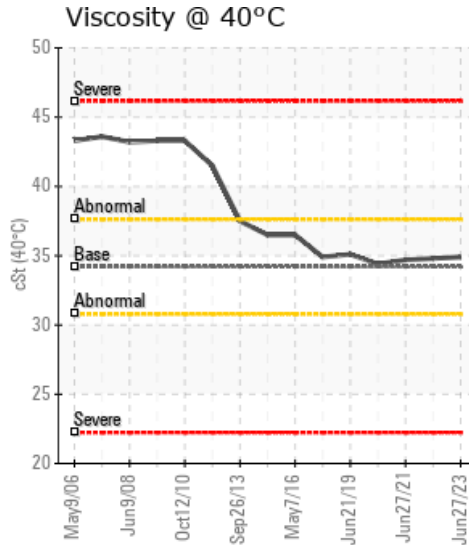
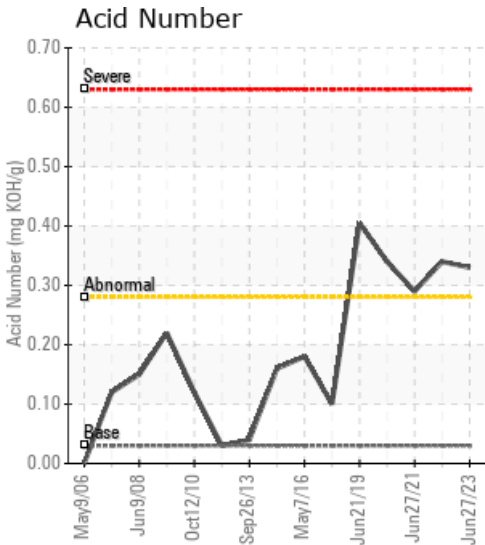
WANSON 400B

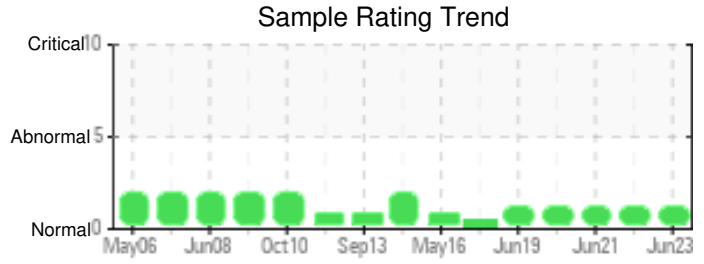
Customer: PTRHTF40034	System Information	Sample Information
EOC NEDERLAND BV FOKKERSTRAAT 24 DRENTH HOOGEVEEN, DRE NETHERLANDS Attn: Maintenance Manager Tel: E-Mail:	System Volume: 1200 ltr Bulk Operating Temp: 265F / 129C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: WANSON	Lab No: 02568103 Analyst: Bill Quesnel CLS, OMA II, MLA-III, LLA-I Sample Date: 06/27/23 Received Date: 07/05/23 Completed: 07/07/23 Bill Quesnel CLS, OMA II, MLA-III, LLA-I

Recommendation: Acid Number (AN) indicating possible oxidation but it has not changed since last measurements, other parameters within normal. If the system conditions are acceptable, continue monitoring.

Comments: Acid Number (AN) is abnormally high.

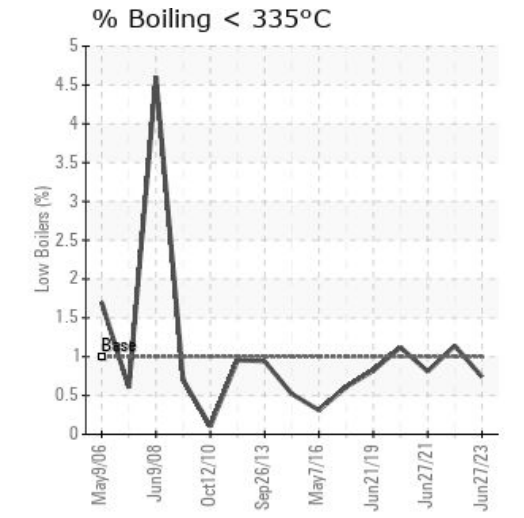
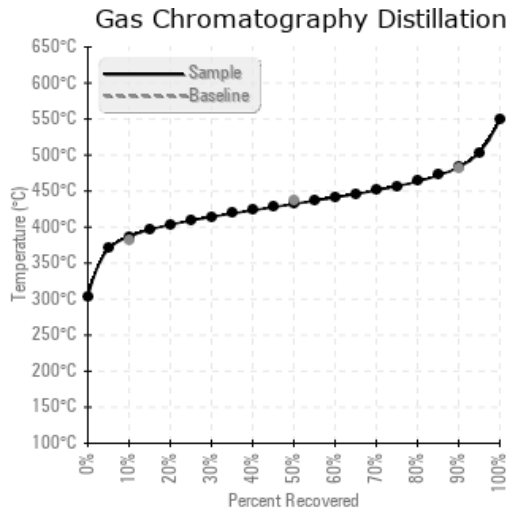
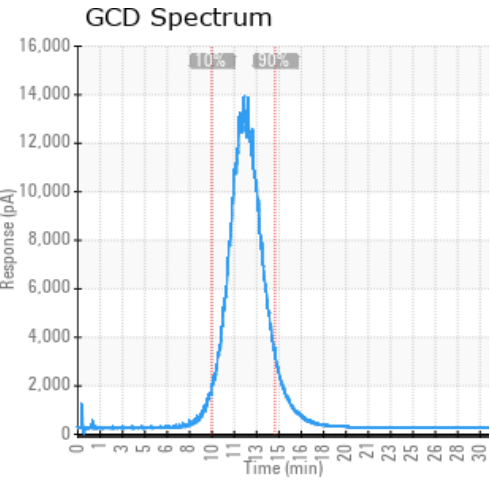
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
06/27/23	07/05/23	16.0y		432 / 222	20.7	34.9	0.33	0.290	728 / 387	810 / 432	902 / 483	0.74
07/01/22	07/08/22	0.0y		450 / 232	44.4	34.8	0.34	0.181	727 / 386	807 / 430	893 / 478	1.14
06/27/21	06/25/21	14.0y		439 / 226	29.5	34.7	0.29	0.087	719 / 382	798 / 425	904 / 485	0.81
07/02/20	07/13/20	13.0y		439 / 226	49.2	34.4	0.34	0.113	727 / 386	809 / 432	899 / 482	1.12
06/21/19	07/02/19	12.0y		432 / 222	27.6	35.1	0.405	0.052	715 / 380	801 / 427	901 / 483	0.82
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00





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
06/27/23	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07/01/22	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
06/27/21	3	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/02/20	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06/21/19	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baseline Data			0	0						0			0	0				0					0	

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



Historical Comments	
07/01/22	Acid Number (AN) indicating possible oxidation but it has not changed since last measurements, other parameters within normal. If the system conditions are acceptable, continue monitoring. Acid Number (AN) is abnormally high.
06/27/21	Acid Number (AN) indicating possible oxidation but it has not changed since last measurements, other parameters within normal. If the system conditions are acceptable, continue monitoring. Acid Number (AN) is abnormally high.
07/02/20	Oil appears to be in good condition and fit for further service. Suggest sample at next scheduled maintenance interval. Acid Number (AN) is abnormally high.
06/21/19	AN slightly high, but all other parameters within normal limits. Fit for further use and re sample at next interval. Acid Number (AN) is abnormally high.

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