

WANSON 400B

Customer: PTRHTF40034
 EOC NEDERLAND BV
 FOKKERSTRAAT 24
 DRENTH
 HOOGEVEEN, DRE NETHERLANDS
 Attn: Maintenance Manager
 Tel:
 E-Mail:

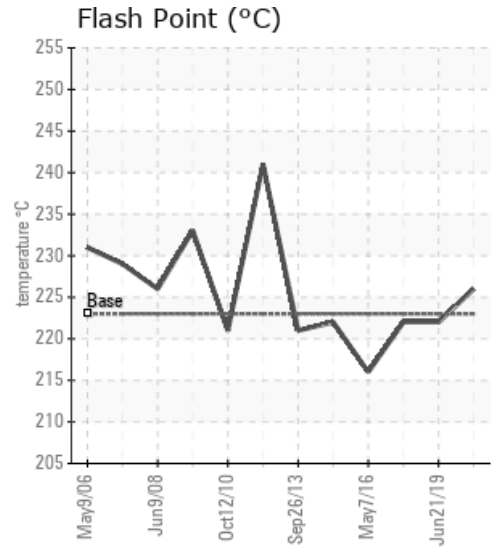
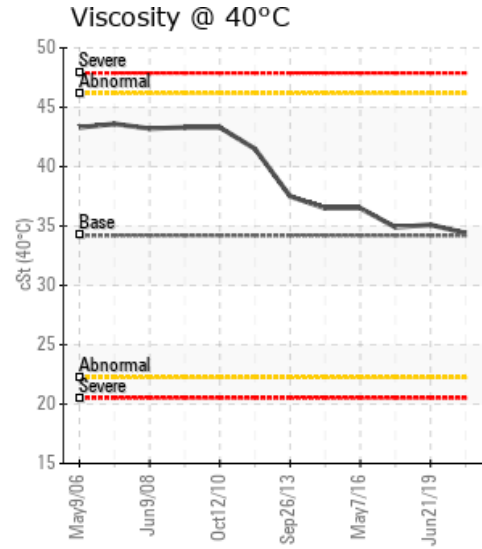
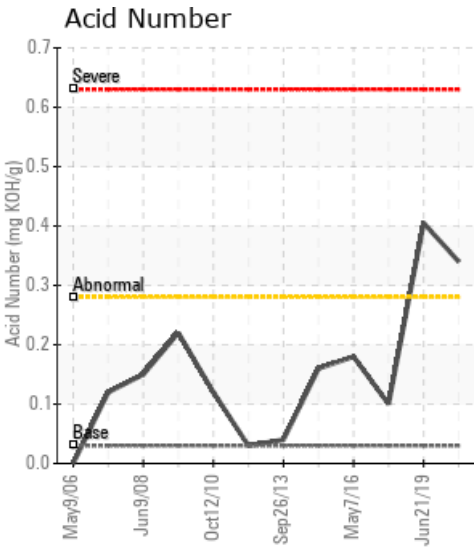
System Information
 System Volume: 1200 ltr
 Bulk Operating Temp: 265F / 129C
 Heating Source:
 Blanket:
 Fluid: PETRO CANADA PETRO-THERM
 Make: WANSON

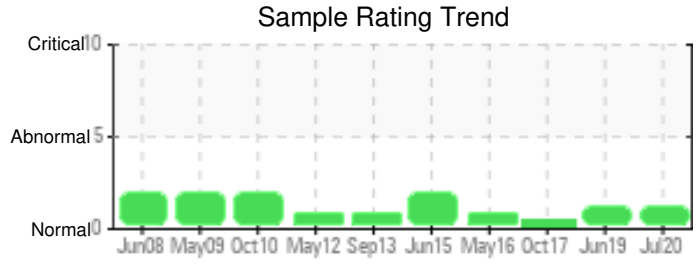
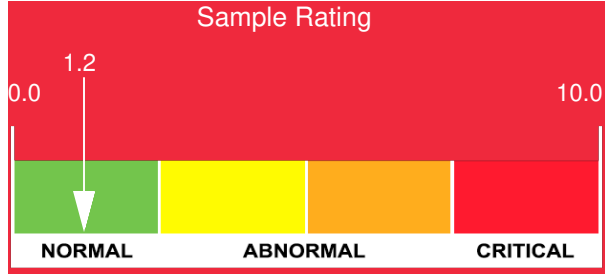
Sample Information
 Lab No: 02364176
 Analyst: Matthias Voss
 Sample Date: 07/02/20
 Received Date: 07/13/20
 Completed: 07/16/20
 Matthias Voss
 Matthias.Voss@petrocanadalsp.com

Recommendation: Oil appears to be in good condition and fit for further service. Suggest sample at next scheduled maintenance interval.

Comments: Acid Number (AN) is abnormally high.

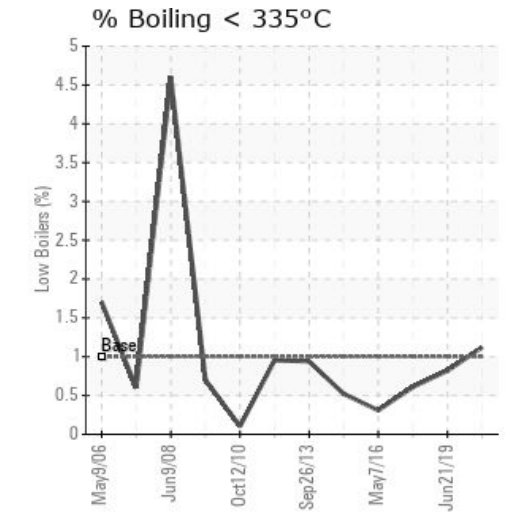
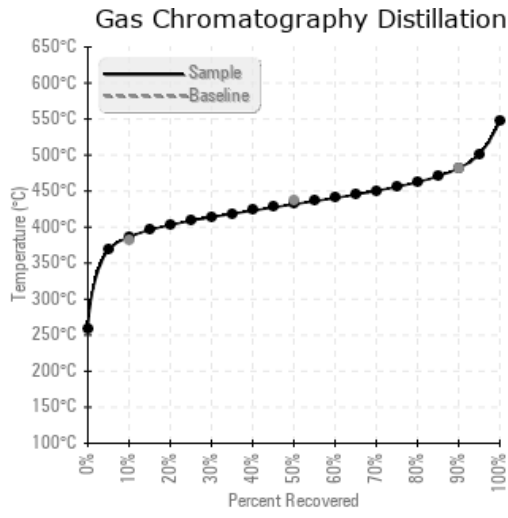
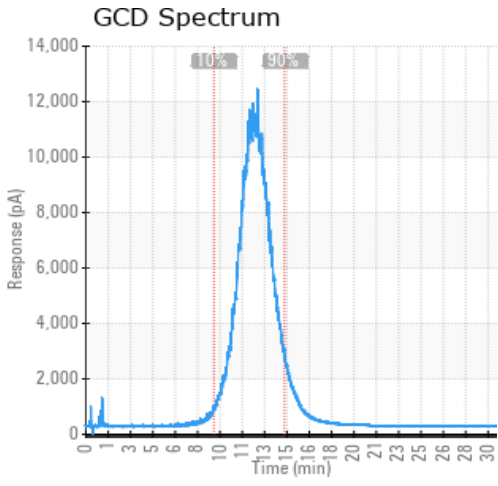
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
07/02/20	07/13/20	13y		439 / 226	49.2	34.4	0.34	0.113	727 / 386	809 / 432	899 / 482	1.12
06/21/19	07/02/19	12y		432 / 222	27.6	35.1	0.405	0.052	715 / 380	801 / 427	901 / 483	0.82
10/10/17	10/23/17	11y		432 / 222	29.7	34.9	0.10	0.040	722 / 383	809 / 432	906 / 486	0.61
05/07/16	07/11/16	10y		421 / 216	7.9	36.5	0.18	0.027	720 / 382	816 / 435	936 / 502	0.31
06/19/15	06/25/15	9y		432 / 222	28.0	36.5	0.16	0.039	716 / 380	815 / 435	934 / 501	0.52
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
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
10/10/17	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05/07/16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06/19/15	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1	1
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	
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.
10/10/17	Check grade in use, Sulphur level very high compared to expected
05/07/16	Oil appears to be in good condition and fit for further service. Suggest sample at next scheduled maintenance interval. (GCD) 90% Distillation Point is abnormally high.
06/19/15	Higher levels of Sulphur detected.Oil appears to be fit for further service.Sample at next scheduled maintenance interval. (GCD) 90% Distillation Point is abnormally high.

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