

WANSON 400LNE

Customer: PTRHTF40024
 ABBOTT LABORATORIES BV
 RIETWEG 21
 OVERIJSEL
 ZWOLLE, OVE NETHERLANDS
 Attn: Maintenance Manager
 Tel:
 E-Mail:

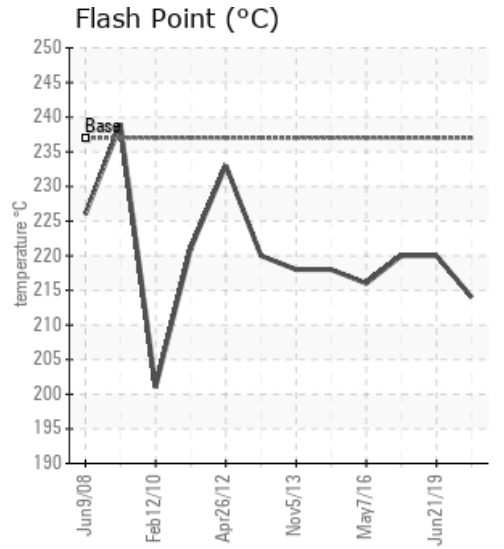
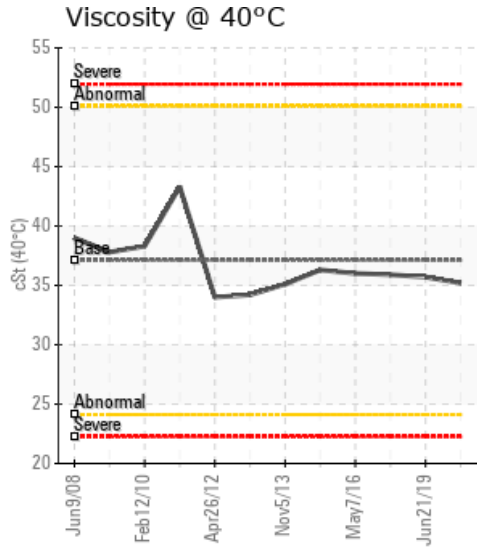
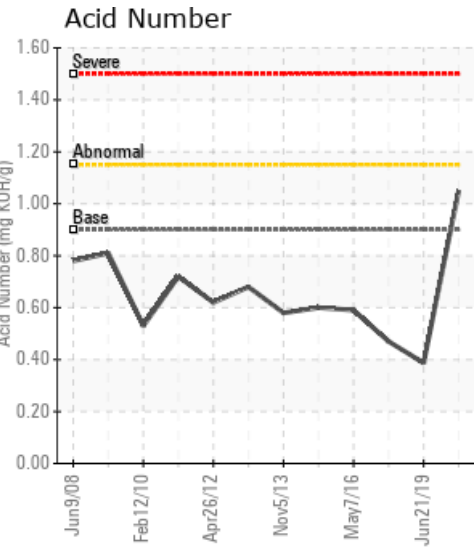
System Information
 System Volume: 1200 ltr
 Bulk Operating Temp: 265F / 129C
 Heating Source:
 Blanket:
 Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID
 Make: WANSON

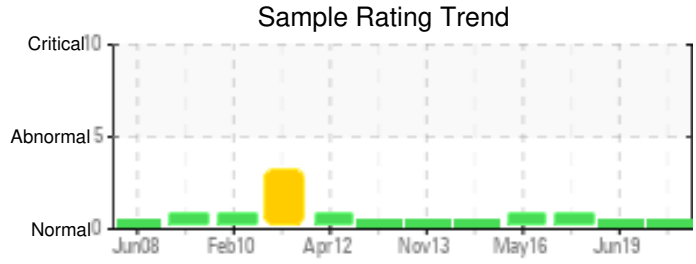
Sample Information
 Lab No: 02390713
 Analyst: Matthias Voss
 Sample Date: 11/20/20
 Received Date: 12/02/20
 Completed: 12/08/20
 Matthias Voss
 Matthias.Voss@petrocanadalsp.com

Recommendation: Fluid fit for further use.

Comments:

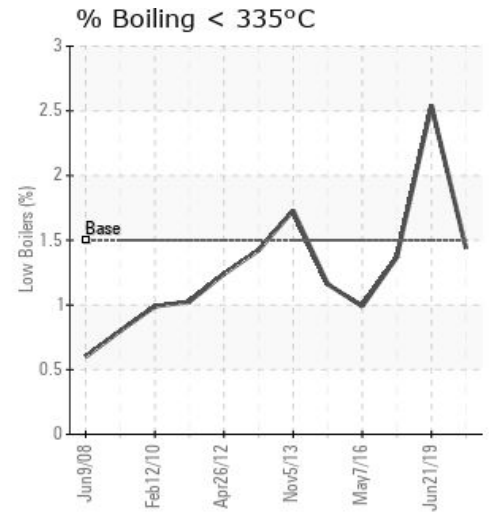
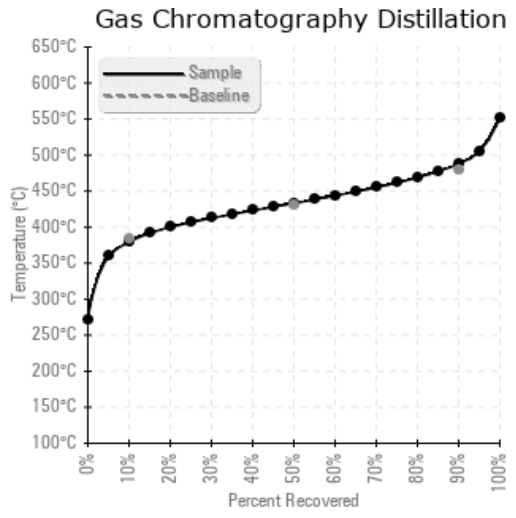
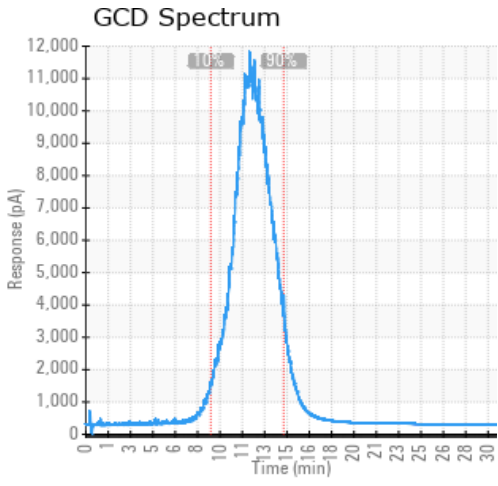
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
11/20/20	12/02/20	8y		417 / 214	19.8	35.2	1.05	0.169	715 / 379	812 / 433	910 / 488	1.44
06/21/19	07/02/19	7y		428 / 220	33.0	35.7	0.387	0.110	701 / 372	803 / 428	904 / 484	2.54
10/10/17	10/23/17	5y		428 / 220	14.1	35.9	0.47	0.056	709 / 376	810 / 432	920 / 494	1.37
05/07/16	07/11/16	4y		421 / 216	0.00	36.0	0.59	0.174	714 / 379	814 / 434	926 / 497	0.99
06/19/15	06/25/15	3y		424 / 218	21.2	36.3	0.60	0.250	711 / 377	812 / 433	906 / 486	1.16
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
11/20/20	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	0
06/21/19	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	0
10/10/17	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	0
05/07/16	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0
06/19/15	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	0
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	
06/21/19	All parameters within normal limits. Fit for further use and please re-sample at normal frequency
10/10/17	Improved result from previous, possible some sweetening of the fluid/system. Slight anomaly with GCD. Fit for further use (GCD) 90% Distillation Point is abnormally high.
05/07/16	Oil is 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	Oil appears to be in good condition and fir for further service. Sample at next scheduled maintenance interval

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