

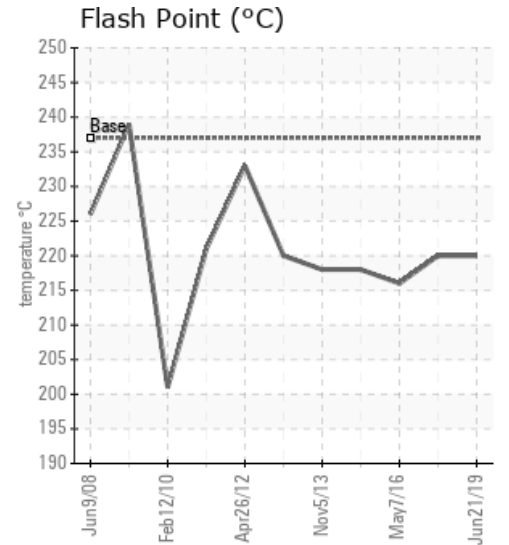
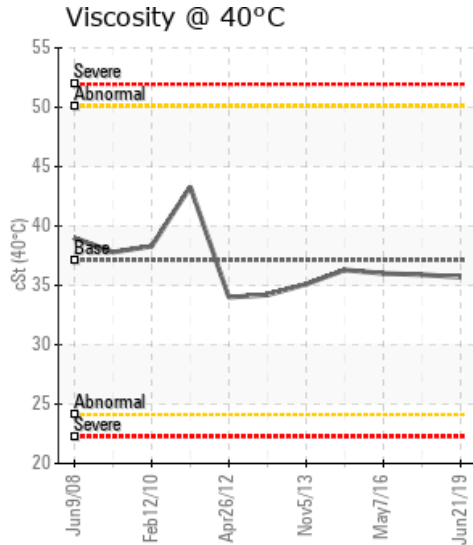
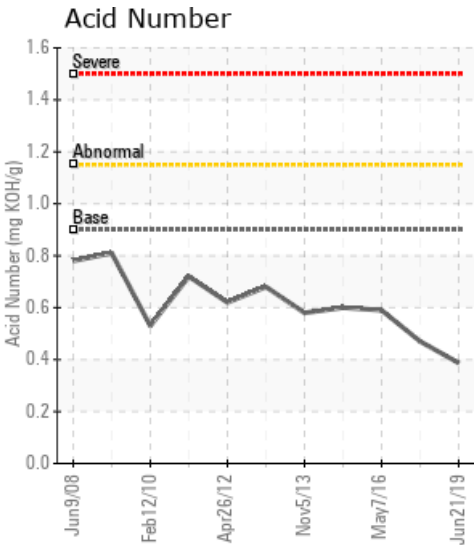
# WANSON 400LNE

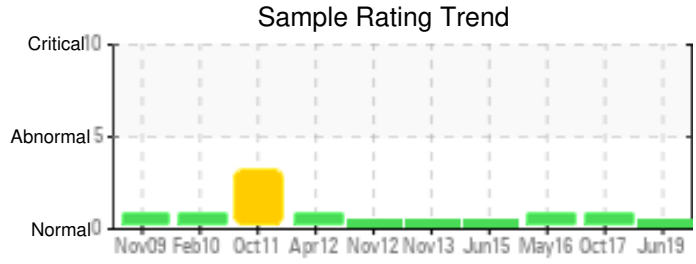
Customer: PTRHTF40024	System Information	Sample Information
ABBOTT LABORATORIES BV RIETWEG 21 OVERIJSEL ZWOLLE, OVE NETHERLANDS Attn: Maintenance Manager Tel: E-Mail:	System Volume: 1200 ltr Bulk Operating Temp: 265F / 129C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make: WANSON	Lab No: 02294634 Analyst: Philip Riley Sample Date: 06/21/19 Received Date: 07/02/19 Completed: 07/18/19

Recommendation: All parameters within normal limits. Fit for further use and please re-sample at normal frequency

Comments:

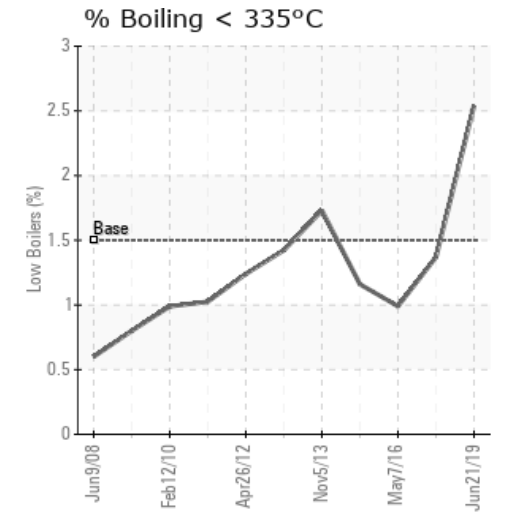
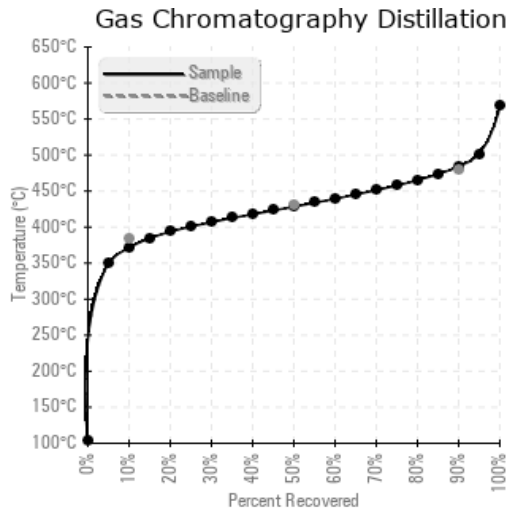
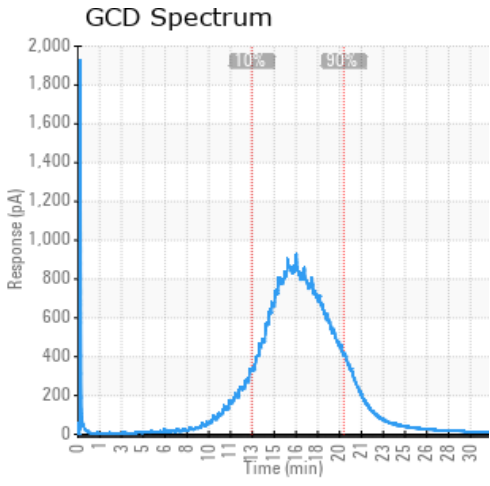
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
06/21/19	07/02/19	7y		428 / 220	33.0	35.7	0.387	0.110	701 / 372	803 / 428	904 / 484	2.54
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
11/05/13	11/27/13	8y		424 / 218	4.5	35.1	0.58	0.236	708 / 376	808 / 431	903 / 484	1.73
11/05/12	11/12/12		NA	428 / 220	24	34.2	0.68	0.033	709 / 376	804 / 429	901 / 483	1.423
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
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
11/05/13	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	0
11/05/12	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	30	1
Baseline Data			0	0						0			0	0					0				230	

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



Historical Comments	
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
11/05/13	Oil appears to be in good condition - sample at next scheduled maintenance interval
11/05/12	Oil fit for further service

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