

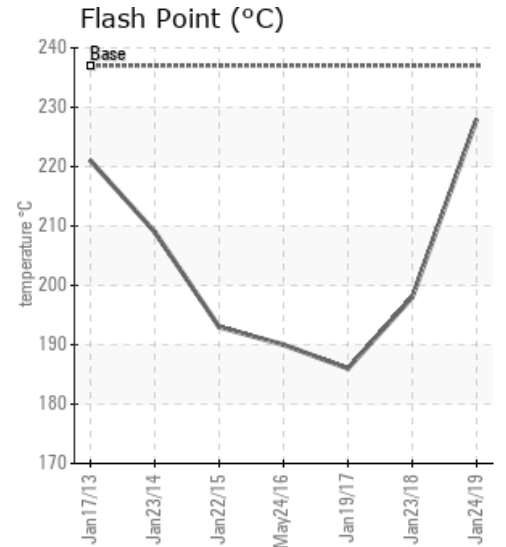
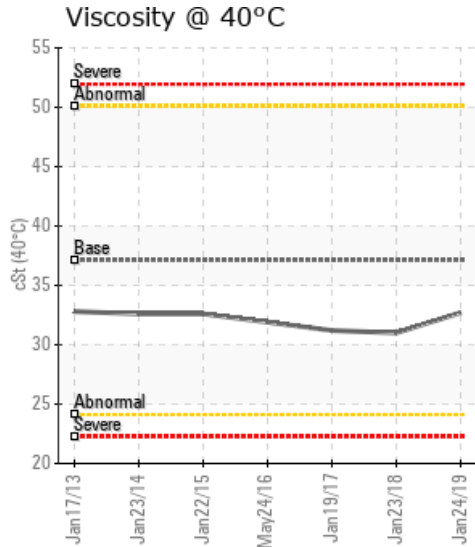
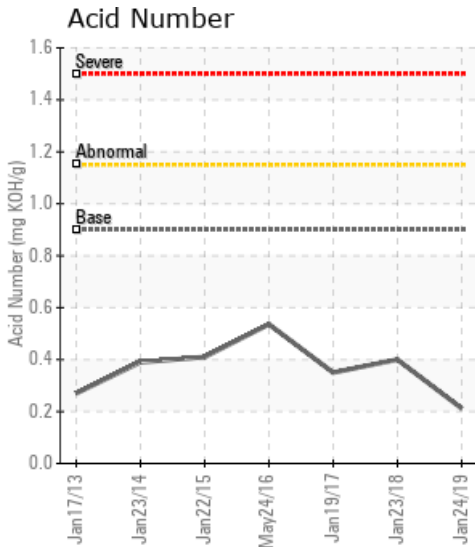
SPTC250LN

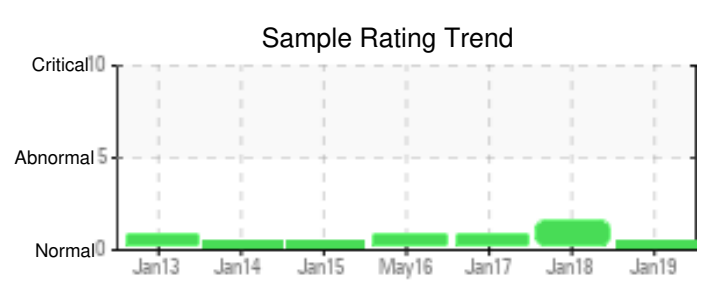
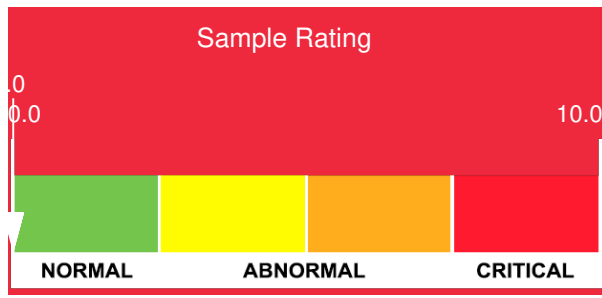
Customer: PTRHTF40105	System Information	Sample Information
VAN DER LEE SEAFISH B.V SCHULPENGAT 2 URK, ZZ 8321WC Netherlands Attn: Maintenance Manager Tel: E-Mail:	System Volume: 600 ltr Bulk Operating Temp: 509F / 265C Heating Source: Blanket: Fluid: PETRO CANADA PURITY FG HEAT TRANSFER FLUID Make: WANSON	Lab No: 02265955 Analyst: Philip Riley Sample Date: 01/24/19 Received Date: 02/04/19 Completed: 02/05/19

Recommendation: All parameters within normal limits and fit for further use based on sample results

Comments:

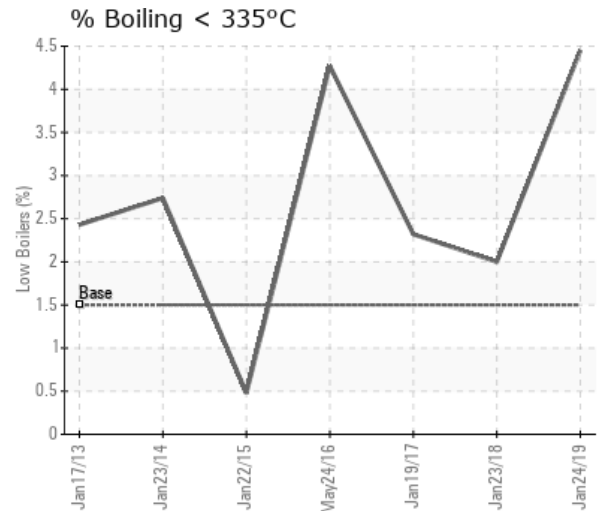
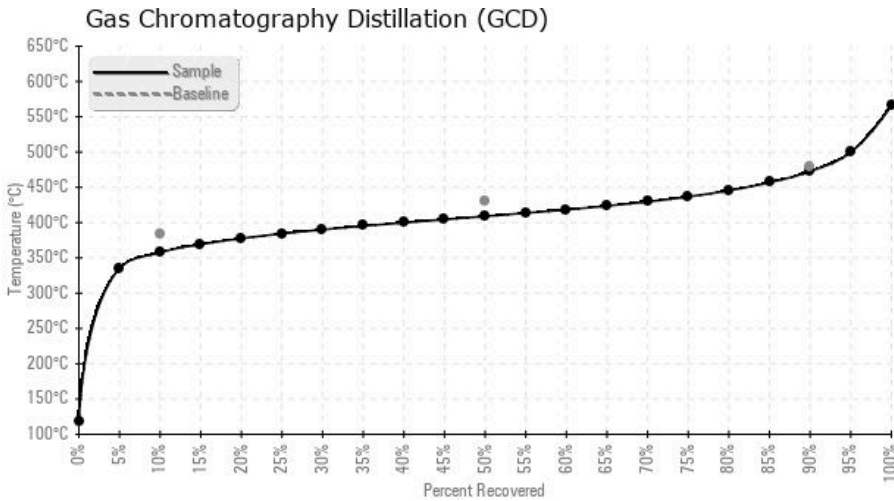
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
01/24/19	02/04/19	7y		442 / 228	19.2	32.7	0.212	0.061	676 / 358	768 / 409	883 / 473	4.45
01/23/18	01/29/18	6y		388 / 198	8.8	31.0	0.40	0.121	703 / 373	802 / 428	910 / 488	2.00
01/19/17	01/27/17	5y		367 / 186	47.5	31.2	0.35	0.076	703 / 373	811 / 433	902 / 484	2.32
05/24/16	05/27/16	5y	PTRHTF40105	374 / 190	29.7	31.9	0.536	0.060	693 / 367	811 / 433	904 / 484	4.27
01/22/15	02/06/15	4y		379 / 193	16.8	32.6	0.41	0.035	717 / 380	822 / 439	903 / 484	0.48
01/23/14	01/31/14	3y	PTRHTF40705	408 / 209	55.7	32.6	0.39	0.057	703 / 373	814 / 434	901 / 483	2.74
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
01/24/19	28	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	36	0
01/23/18	53	0	0	0	1	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	89	2
01/19/17	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	2
05/24/16	58	0	0	0	1	0	2	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	67	4
01/22/15	24	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	58	4
01/23/14	14	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	47	3
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	
01/23/18	COC Flash Point is marginally low but not yet critical, all other parameters are within normal. Oil is good for farther service. COC Flash Point is marginally low.
01/19/17	Oil appears to be in good condition and fit for further service. Suggest sample at next scheduled maintenance interval. COC Flash Point is abnormally low.
05/24/16	Oil appears to be in good condition and fit for further service. Suggest sample at next scheduled maintenance interval. COC Flash Point is abnormally low.
01/22/15	Oil appears to be in good condition. Sample at next scheduled maintenance interval.
01/23/14	Oil appears to be in good condition and fit for further service. Sample at next scheduled routine maintenance interval.

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