

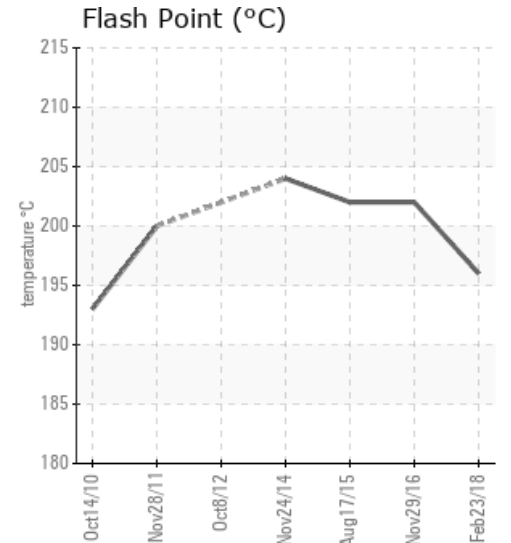
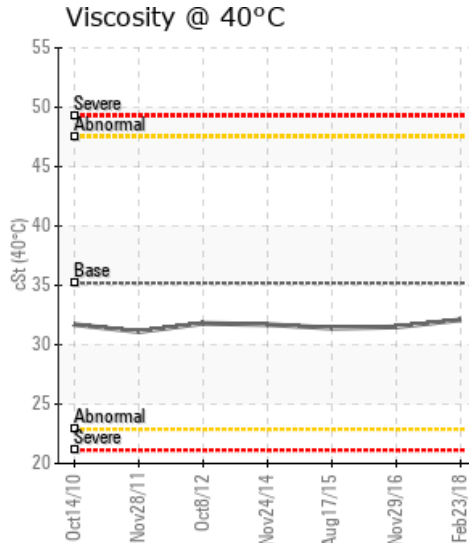
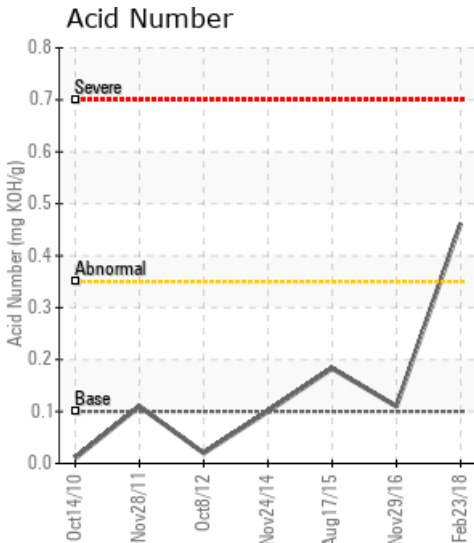
YONG SHUN PU U-9 U-10

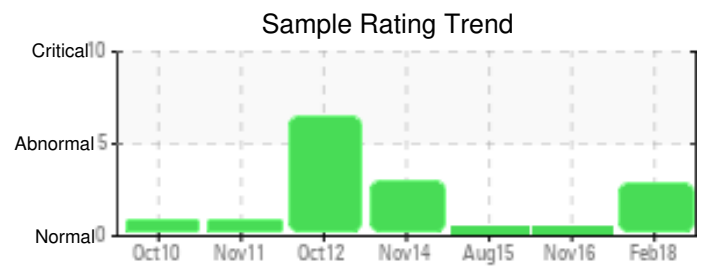
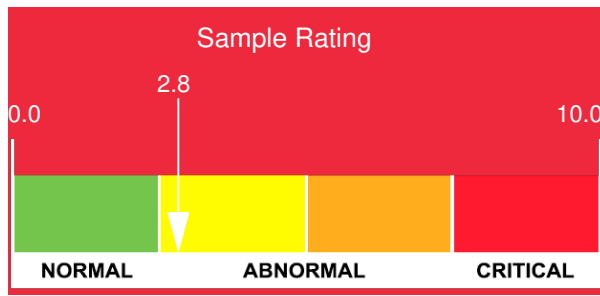
Customer: PTRHTF60007	System Information	Sample Information
CANADIAN RESOURCES INC 2F 71 CHONG CHING NORTH ROAD S C 3 TAIPEI, TAIWAN, PROVINC Attn: HUGO CHENG Tel: (886)225-853509 E-Mail: roychen1018@hotmail.com	System Volume: 13120 ltr Bulk Operating Temp: 419F / 215C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO HTF Make:	Lab No: 02202462 Analyst: Yutong Gao Sample Date: 02/23/18 Received Date: 03/07/18 Completed: 03/10/18 To discuss this report contact Yutong Gao at (403)873-1876

Recommendation: The current fluid has normal viscosity, flash point. However, the TAN and solid content are higher than normal because of the minor oxidation. Please take one sample in 6 months to monitor the conditions. The fluid hours are not reported, which definitely limit our interpretation. Please inform Yutong Gao at Petro-Canada for the detailed fluid hours.

Comments: Acid Number (AN) is abnormally high. COC Flash Point is marginally low. (GCD) 90% Distillation Point is marginally low.

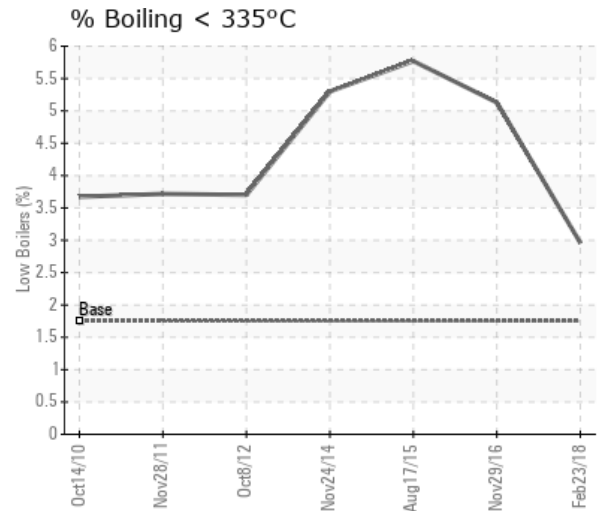
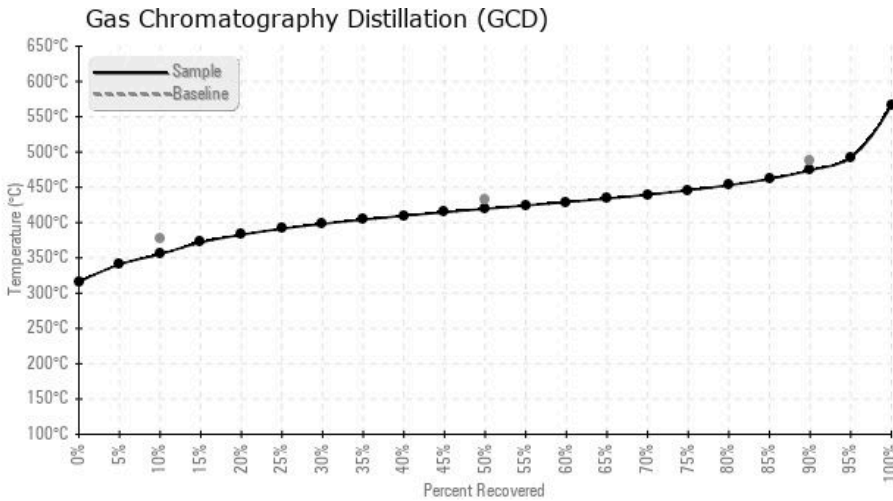
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
02/23/18	03/07/18	0h		385 / 196	23.9	32.1	0.462	0.136	671 / 355	787 / 420	886 / 474	2.96
11/29/16	12/08/16	0h		396 / 202	29.7	31.5	0.11	0.055	659 / 349	805 / 430	916 / 491	5.13
08/17/15	08/21/15	0h		396 / 202	12.8	31.4	0.183	0.062	654 / 346	800 / 427	924 / 495	5.77
11/24/14	11/28/14	0h	U-9 U-10	399 / 204	6.9	31.7	0.10	0.045	655 / 346	799 / 426	918 / 492	5.30
10/08/12	10/15/12		NA		3510	31.8	0.02	0.075	669 / 354	800 / 427	912 / 489	3.701
11/28/11	12/09/11		NA	392 / 200	78	31.1	0.11	0.020	669 / 354	800 / 427	907 / 486	3.717
Baseline Data				448 / 231		35.20	.1		712 / 378	810 / 432	910 / 488	1.75





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
02/23/18	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0
11/29/16	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0
08/17/15	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	1
11/24/14	9	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	19	0
10/08/12	45	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	22	4	
11/28/11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	9	0
Baseline Data				0	0					0			0	0					0				280	

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



Historical Comments	
11/29/16	The current fluid has adequate viscosity, flash point, acid number, distillation points, water and the solid content. The fluid is OK for continual run and please take a sample in 12 months to monitor the conditions.
08/17/15	The current fluid has normal viscosity, GCD, TAN, solid and water. This fluid is suitable for further use. Please take one sample in one year to monitor the conditions. Please remember to provide the total fluid working hours when you send the future samples.
11/24/14	The current fluid has normal viscosity, TAN, flash point and particle level. It is suitable for further use. The lower 10% GCD is due to the mild thermal cracking. Please take one sample in 6 months to monitor the conditions. (GCD) 10% Distillation Point is marginally low.
10/08/12	The oil appears to be in acceptable condition except the water content is excessively high at 0.37% (3700 ppm). We would like to see a confirmation sample to confirm the results. Please make sure to flush the sampling valve/piping with a few litres of oil before collecting the sample.
11/28/11	The results look virtually identical to the last sample. Unless operational problems are experienced, we suggest to simply keep operating and re-sample in about 6 months to monitor the fluid condition.

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