

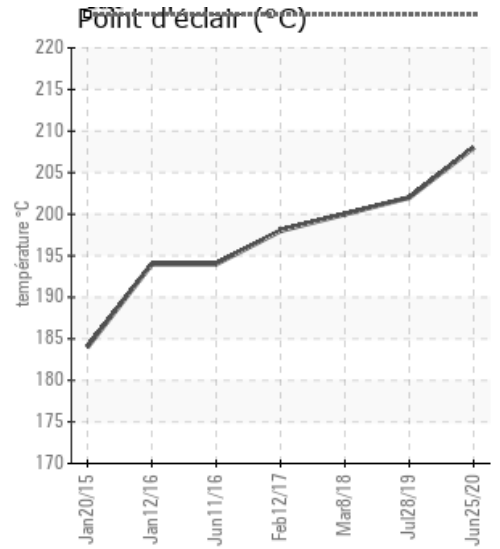
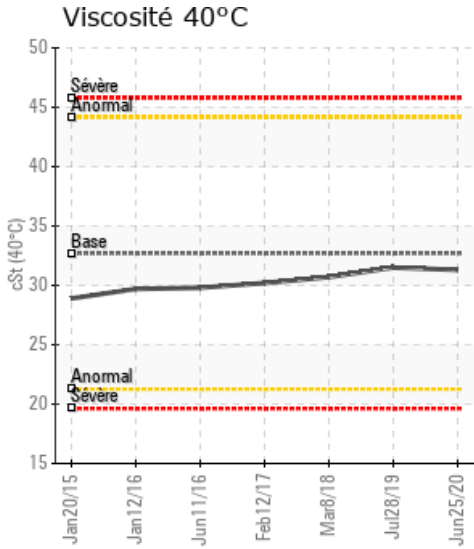
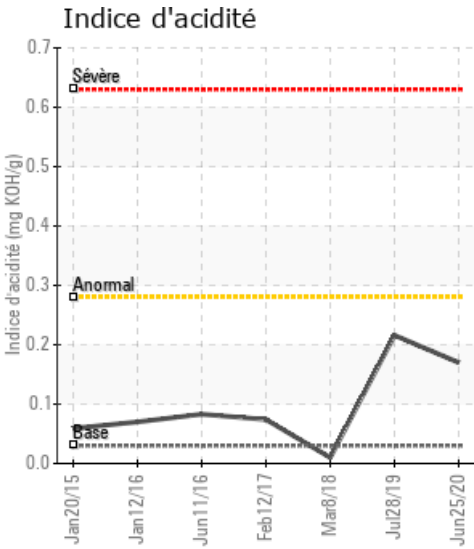
MISE EN CIRCULATION DU FLUIDE 2510812014

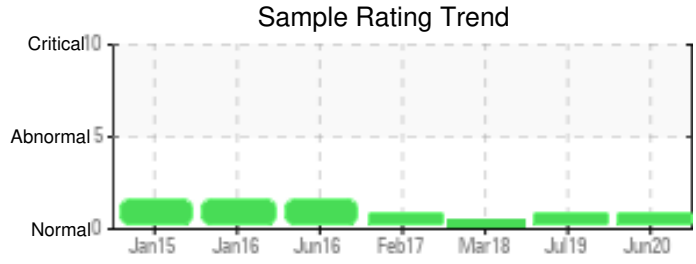
Customer: PTRHTF40115	System Information	Sample Information
Polyrey - Ussel Les Petites Bordes Ussel Correze, 19200 France Attn: Olivier Letrange Tel: (055)546-3735 E-Mail: olivier.letrange@polyrey.com	System Volume: 3000 ltr Bulk Operating Temp: 439F / 226C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make: CHAUFFERIE ANNESCE	Lab No: 02370641 Analyst: Philip Riley Sample Date: 06/25/20 Received Date: 08/14/20 Completed: 08/19/20 Philip Riley philip.riley@petrocanadalsp.com

Recommendation: All fluid parameters meet expected values, with marginal improvement in COC Flash over previous samples. Fluid fit for further use. Please re-sample at normal frequency. Please include accurate data for oil age, unit age etc on future samples

Comments:

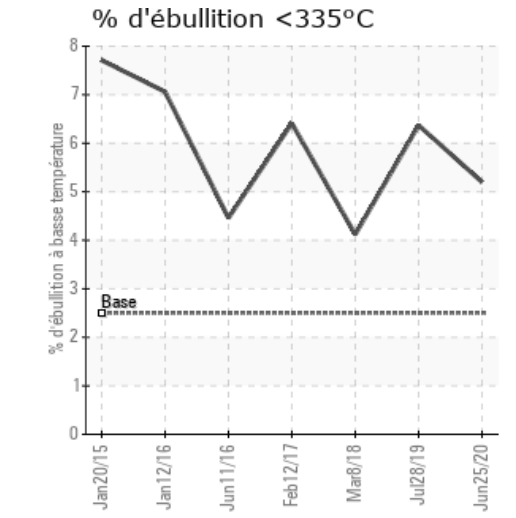
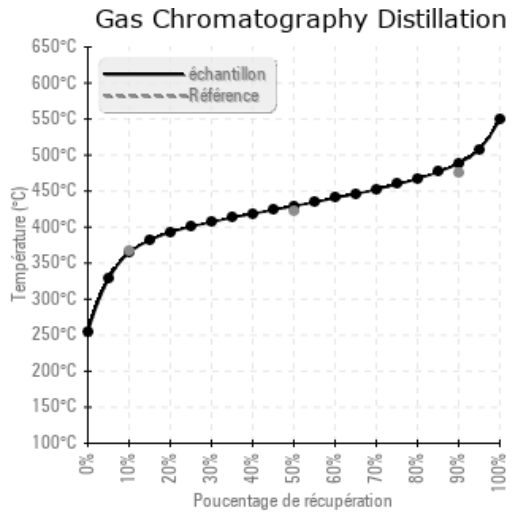
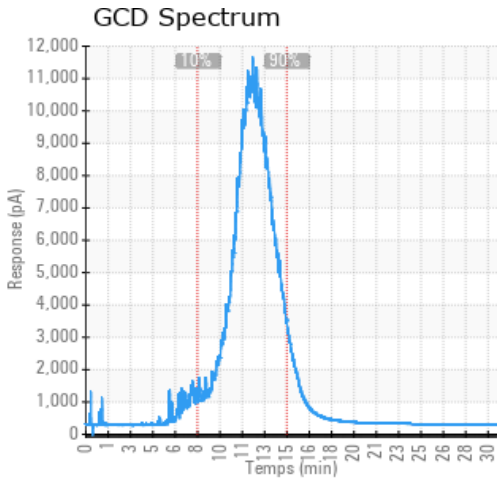
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
06/25/20	08/14/20	6y		406 / 208	14.9	31.3	0.17	0.122	688 / 364	804 / 429	911 / 489	5.20
07/28/19	07/29/19	59y		396 / 202	5.1	31.5	0.216	0.089	671 / 355	797 / 425	908 / 487	6.37
03/08/18	03/20/18	0y		392 / 200	3.5	30.7	0.01	0.077	674 / 357	778 / 415	895 / 479	4.12
02/12/17	02/22/17	30y		388 / 198	28.2	30.2	0.074	0.049	671 / 355	796 / 424	907 / 486	6.41
06/11/16	07/25/16	22y		381 / 194	44.2	29.8	0.083	0.035	685 / 363	798 / 425	915 / 491	4.46
Baseline Data				435 / 224		32.7	0.03		693 / 367	790 / 421	887 / 475	2.5





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
06/25/20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07/28/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03/08/18	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
02/12/17	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
06/11/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Baseline Data			0	0						0			0	0				0					270	

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



Historical Comments	
07/28/19	All parameters within expected range and fluid fit for continued use. Re-sample at normal frequency
03/08/18	All parameters lie within normal limits. Fluid fit for further use
02/12/17	Oil appears to be in good condition and fit for further service. Suggest sample at next scheduled maintenance interval.
06/11/16	Oil appears to be in good condition and fit for further service. Suggest sample at next scheduled maintenance interval.

Petro-Canada makes no representation or warranty of any kind, either express or implied, as to the accuracy or completeness of the analysis and assumes no responsibility and shall have no liability whatsoever with respect to such analysis, or a party's use of it. Petro-Canada is a division of HollyFrontier Corporation.