

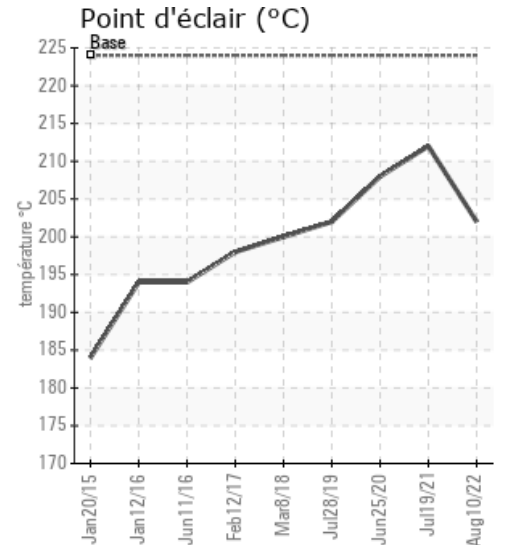
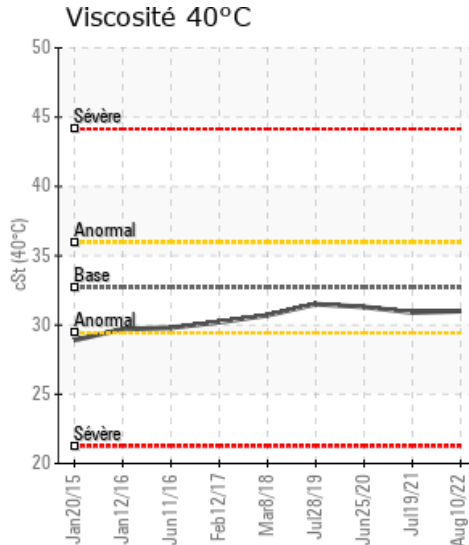
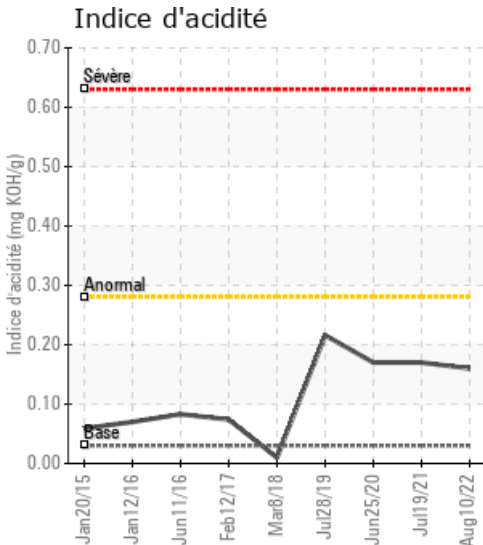
MISE EN CIRCULATION DU FLUIDE 2510812014

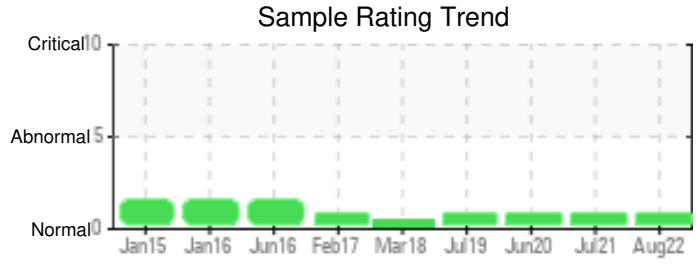
Customer: PTRHTF40115	System Information	Sample Information
Polyrey - Ussel Les Petites Bordes Ussel Correze, 19200 France Attn: Olivier Letrange Tel: (055)546-3735 E-Mail: olivier.letrange@polyrey.com	System Volume: 3000 ltr Bulk Operating Temp: 439F / 226C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make: CHAUFFERIE ANNESCE	Lab No: 02509197 Analyst: Alexander Panov Sample Date: 08/10/22 Received Date: 09/06/22 Completed: 09/12/22 Alexander Panov Alex.panov@hollyfrontier.com

Recommendation: Resample at the next service interval to monitor. There is no indication of any contamination in the fluid. The condition of the fluid is suitable for further service.

Comments:

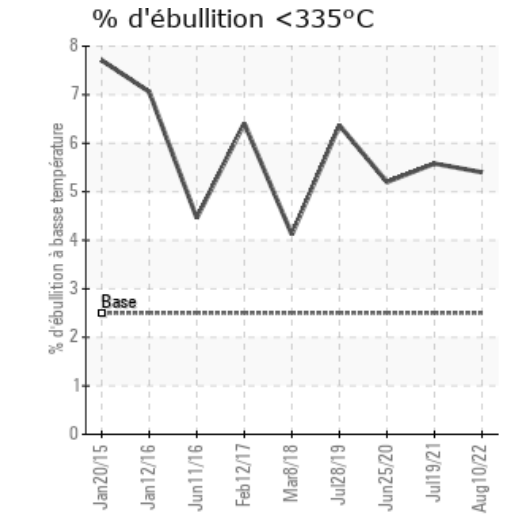
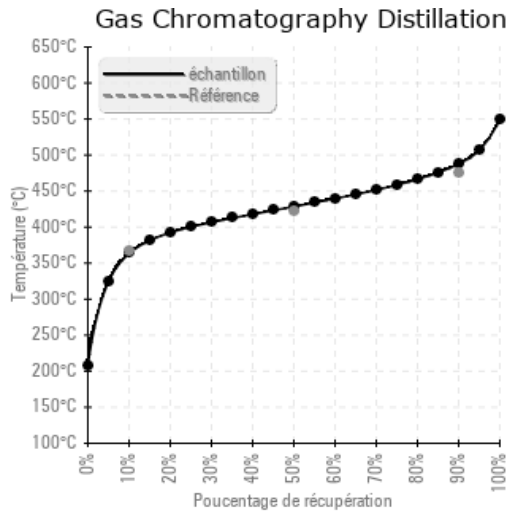
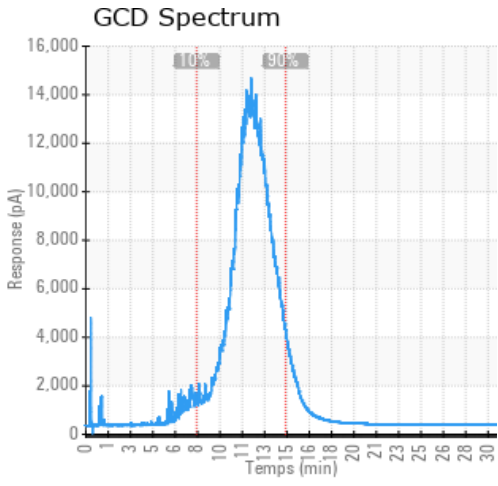
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
08/10/22	09/06/22	0.0h		396 / 202	25.8	31.0	0.16	0.089	686 / 364	803 / 429	910 / 488	5.40
07/19/21	07/20/21	7.0h		414 / 212	24.1	30.9	0.17	0.205	683 / 362	803 / 428	911 / 489	5.58
06/25/20	08/14/20	6.0h		406 / 208	14.9	31.3	0.17	0.122	688 / 364	804 / 429	911 / 489	5.20
07/28/19	07/29/19	59.0h		396 / 202	5.1	31.5	0.216	0.089	671 / 355	797 / 425	908 / 487	6.37
03/08/18	03/20/18	0.0h		392 / 200	3.5	30.7	0.01	0.077	674 / 357	778 / 415	895 / 479	4.12
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	
08/10/22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07/19/21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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	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	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	
07/19/21	Very stable condition of the fluid which is fit for further use. Please resample min. in 12 months.
06/25/20	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
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

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