

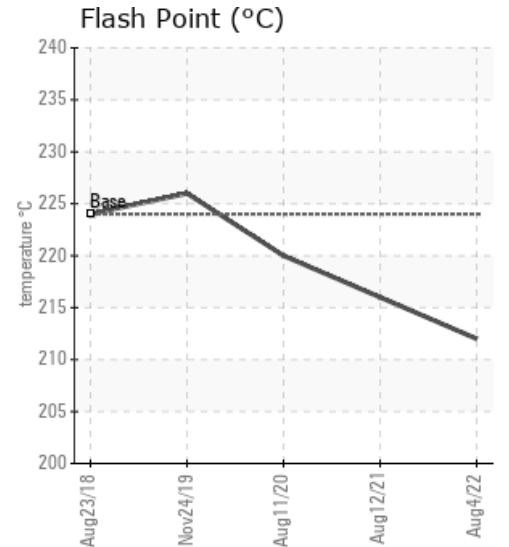
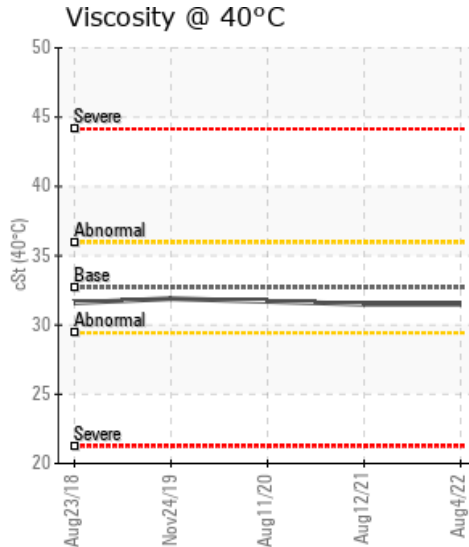
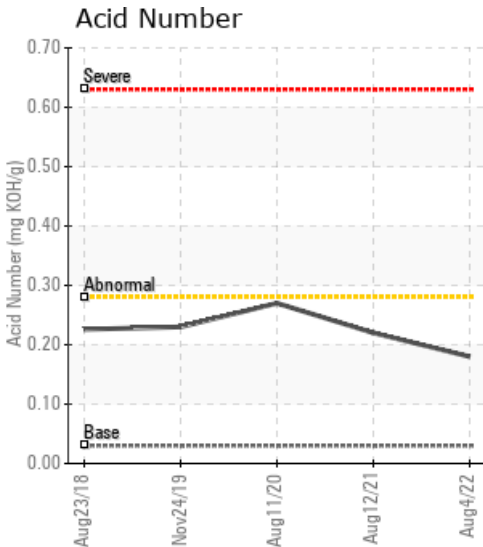
T14 EMBOSSER SYSTEM 1

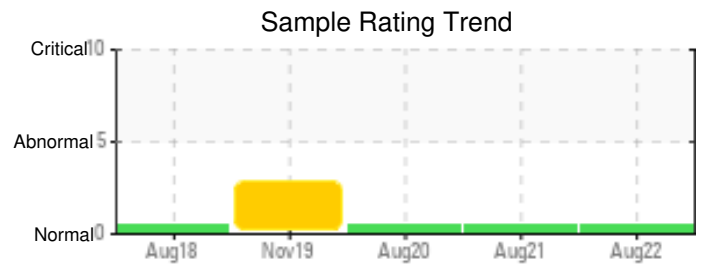
Customer: PTRHTF40077	System Information	Sample Information
BRENNTAG NV NIJVERHFIDSLAAN 38 DEERLIJK, 8540 Belgium Attn: PIETER ACKET Tel: 7(325)678-8404 E-Mail: pieter.acket@brenntag.be	System Volume: 4000 ltr Bulk Operating Temp: 374F / 190C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make:	Lab No: 02507779 Analyst: Alexander Panov Sample Date: 08/04/22 Received Date: 08/29/22 Completed: 09/01/22 Alexander Panov alex.panov@hollyfrontier.com

Recommendation: Resample at the next service interval to monitor.

Comments: {not applicable} The water content is negligible. There is no indication of any contamination in the fluid. The condition of the fluid is suitable for further service.

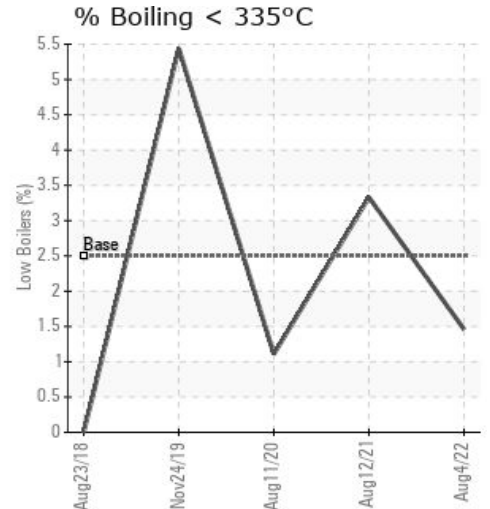
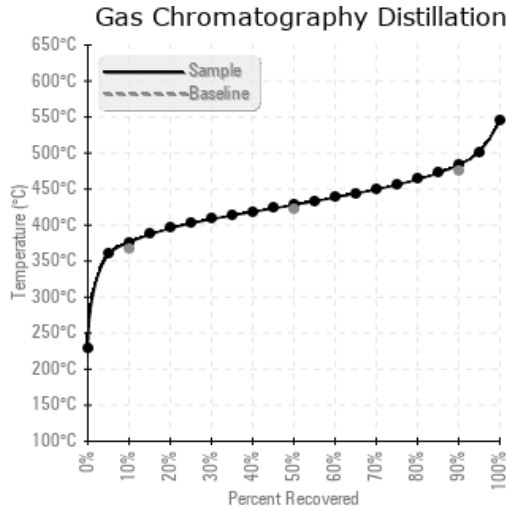
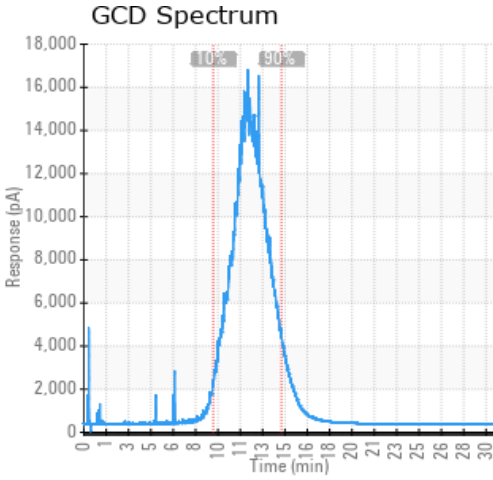
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
08/04/22	08/29/22	84.0m		414 / 212	106.4	31.5	0.18	0.056	708 / 376	802 / 428	902 / 484	1.46
08/12/21	08/27/21	0.0m		421 / 216	35.0	31.5	0.22	0.106	698 / 370	801 / 427	902 / 483	3.33
08/11/20	08/14/20	0.0m		428 / 220	45.5	31.7	0.27	0.082	711 / 377	804 / 429	904 / 485	1.11
11/24/19	12/10/19	50.0m		439 / 226	24.0	31.9	0.230	0.079	696 / 369	818 / 437	933 / 501	5.44
08/23/18	09/18/18	0.0m		435 / 224	32.3	31.6	0.226	0.227	706 / 374	793 / 423	897 / 480	0.00
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
08/04/22	6	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	2	0	51	4
08/12/21	9	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	58	2
08/11/20	17	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	72	3
11/24/19	14	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	57	3
08/23/18	9	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	37	2
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	
08/12/21	Resample at the next service interval to monitor. (not applicable) The water content is negligible. There is no indication of any contamination in the fluid. The condition of the fluid is suitable for further service.
08/11/20	All fluid parameters meet expected values. Fluid fit for further use. Please re-sample at normal frequency. Please include the data for oil age, unit age etc on future samples
11/24/19	Slight drift from the GCD Distillation at 50% and 90% but nothing of concern. All other parameters remain good. Fluid fit for further use and please re-sample again in 12 months (GCD) 90% Distillation Point is severely high. (GCD) 50% Distillation Point is marginally high.
08/23/18	All parameters within normal limits and fluid fit for further use

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