

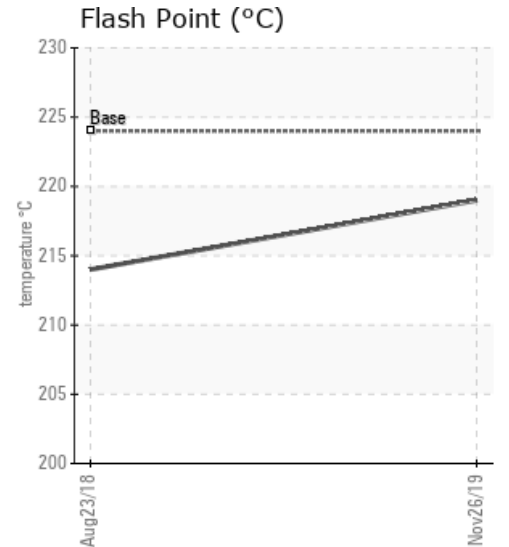
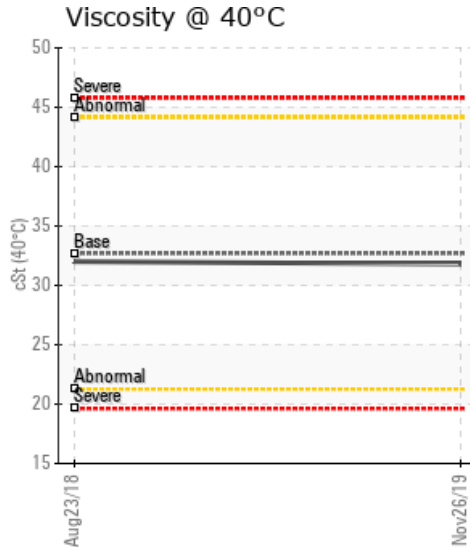
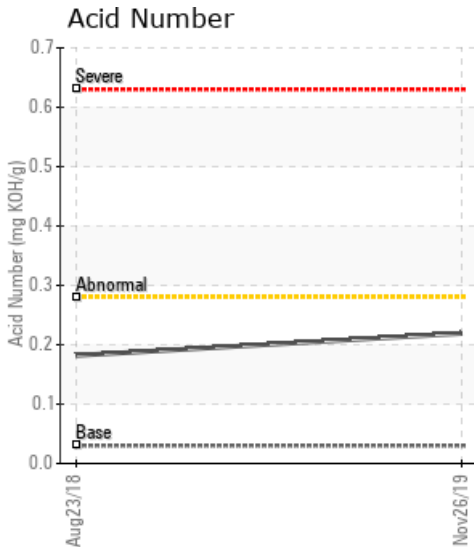
## T14 EMBOSSER SYSTEM 2

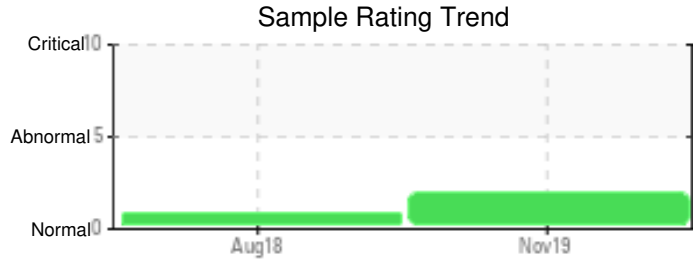
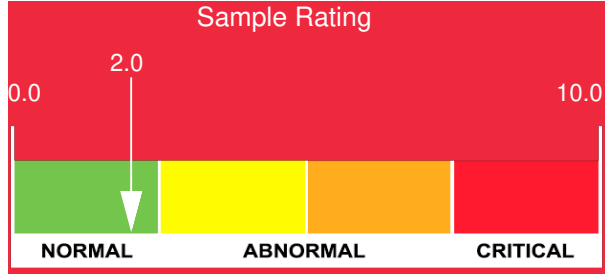
Customer: PTRHTF40077	System Information	Sample Information
BRENNTAG NV NIJVERHFIDSLAAN 38 DEERLIJK, 8540 Belgium Attn: PIETER ACKET Tel: 7(325)678-8404 E-Mail: pieter.acket@brenntag.be	System Volume: 4000 ltr Bulk Operating Temp: 374F / 190C Heating Source: Blanket: Fluid: PETRO CANADA CALFLO AF Make:	Lab No: 02326083 Analyst: Philip Riley Sample Date: 11/26/19 Received Date: 12/10/19 Completed: 12/17/19

Recommendation: Drift from normal in GCD Distillation at 90%. All other parameters on spec and fluid fit for further use. Please resample in 12 months

Comments: (GCD) 90% Distillation Point is severely high.

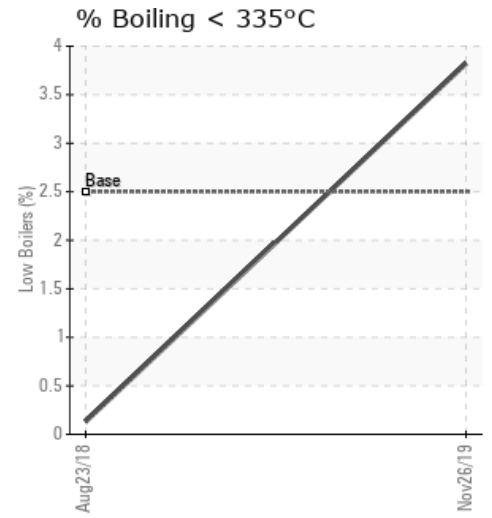
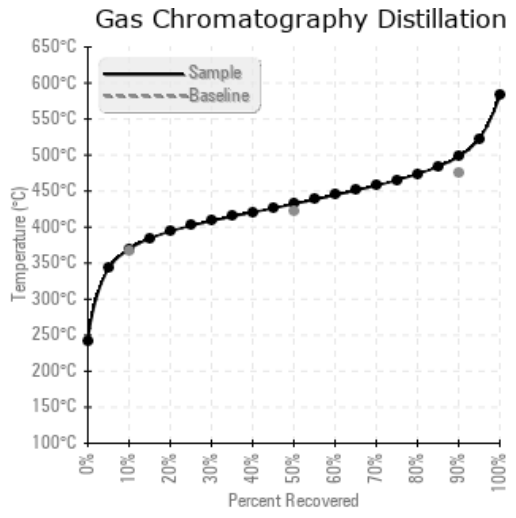
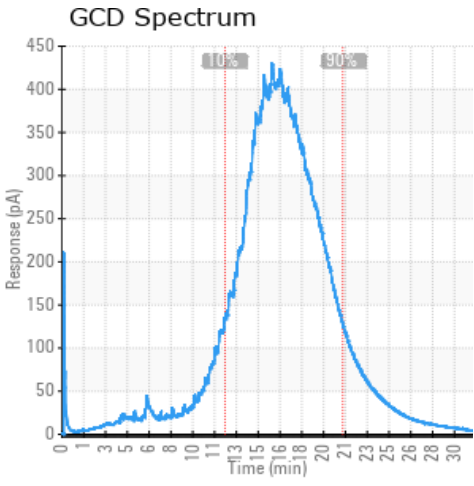
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
11/26/19	12/10/19	50m		426 / 219	37.4	31.8	0.219	0.083	697 / 369	810 / 432	928 / 498	3.82
08/23/18	09/18/18	0m		417 / 214	25.8	32.0	0.182	0.056	706 / 375	804 / 429	910 / 488	0.13
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	
11/26/19	13	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	50	3
08/23/18	8	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	28	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

08/23/18	No results of any concern related to the oil, which is a recent change looking at the oil age. Fluid suitable for further use (GCD) 90% Distillation Point is marginally high.

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