

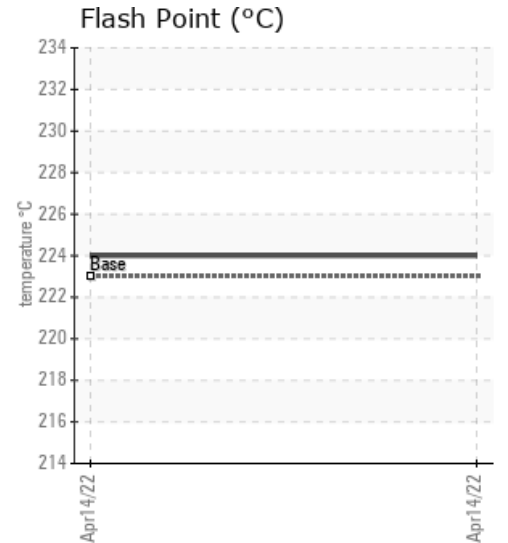
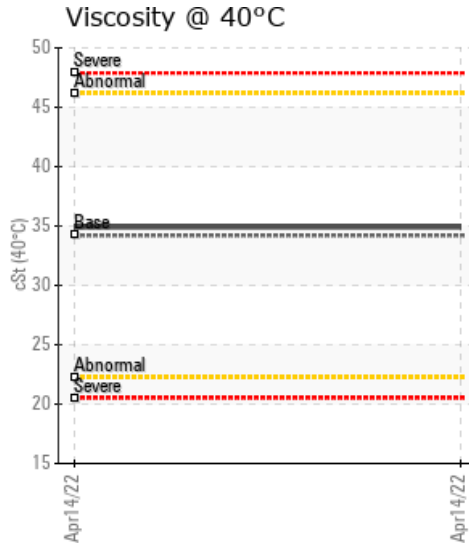
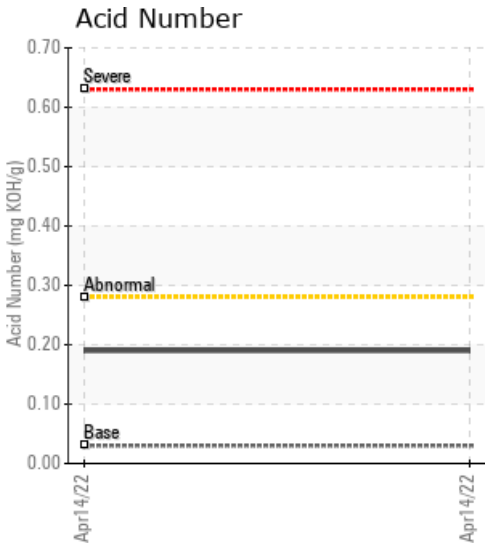
[1-29-57-21W4] E901

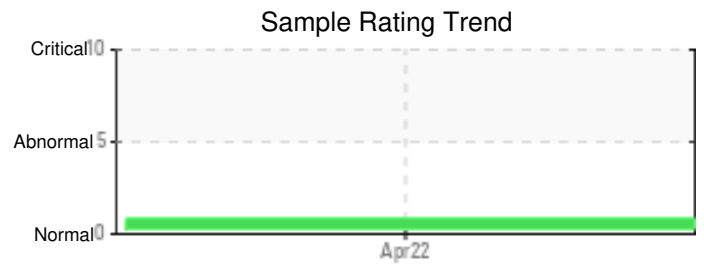
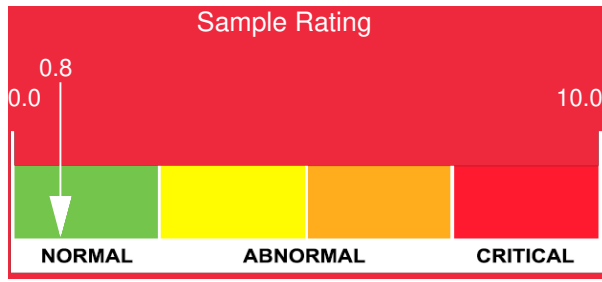
Customer: PTRHTF20181	System Information	Sample Information
ARC RESOURCES LTD. RR 214 HWY 644 PLANT: 1-29-57-21 W4 REDWATER, AB T0A 2W0 Canada Attn: Greg Hicks Tel: (780)690-5479 E-Mail: ghicks@arcresources.com	System Volume: 18000 ltr Bulk Operating Temp: 410F / 210C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make:	Lab No: 02485813 Analyst: Terry Veenstra Sample Date: 04/14/22 Received Date: 04/28/22 Completed: 05/17/22 Terry Veenstra terry.veenstra@hollyfrontier.com

Recommendation: This sample is in good condition and the fluid is suitable for continued use. Resample in 6 months.

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

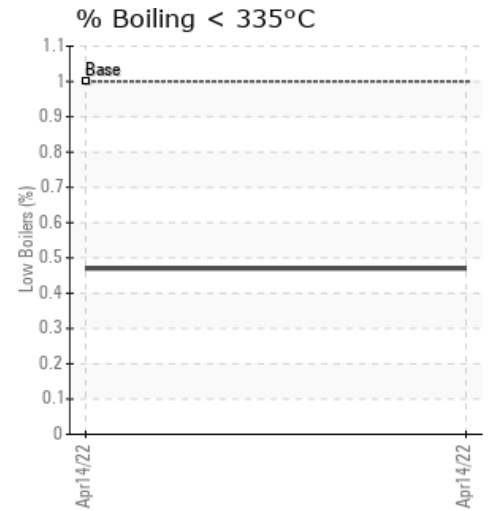
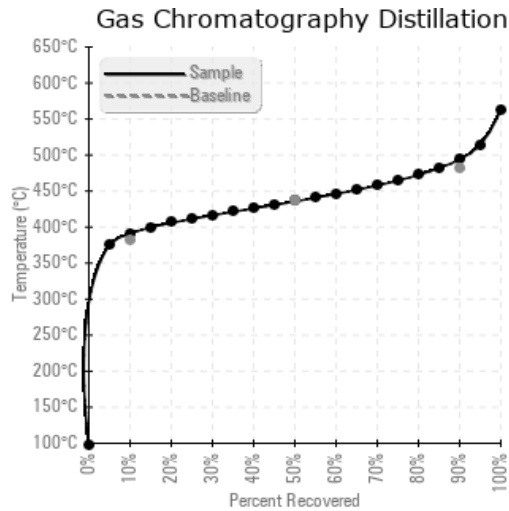
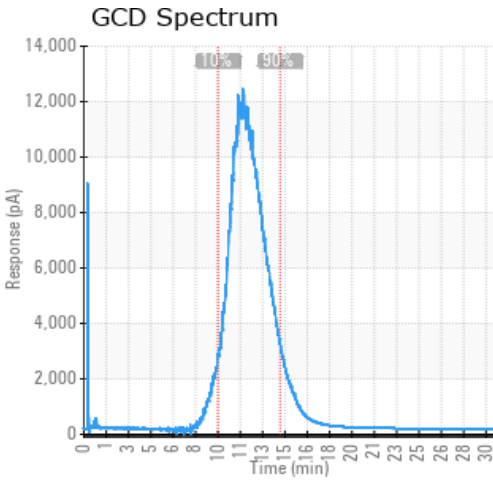
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
04/14/22	04/28/22	72.0m	suc hot oil P903	435 / 224	50.2	34.9	0.19	0.192	736 / 391	816 / 436	921 / 494	0.47
Baseline Data				433 / 223		34.2	0.03		720 / 382	817 / 436	900 / 482	1.00





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
04/14/22	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baseline Data			0	0						0			0	0					0				0	

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



Historical Comments

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