

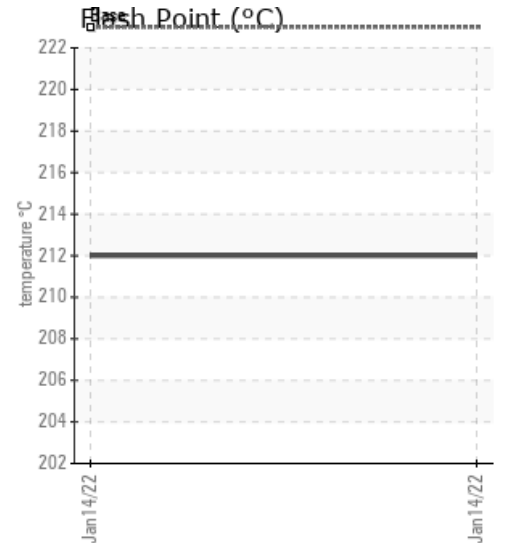
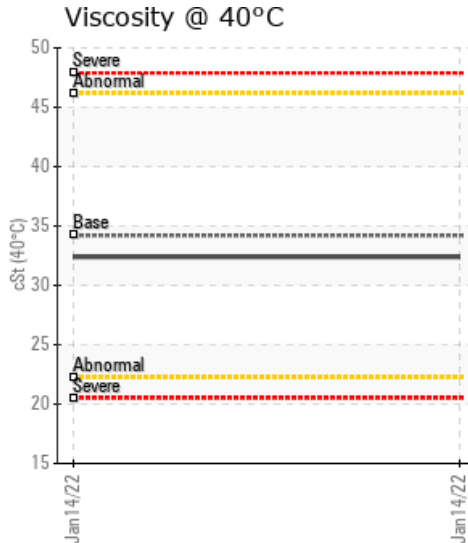
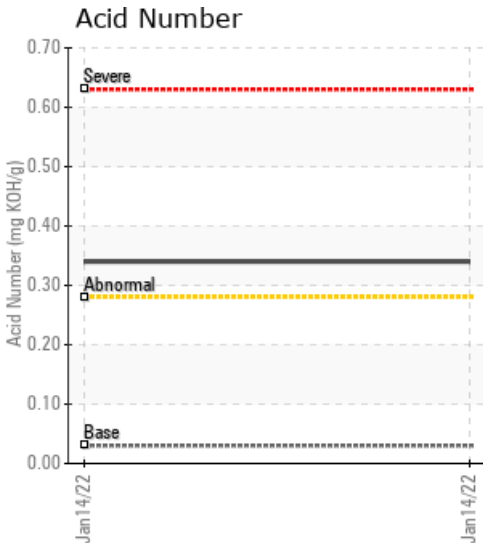
## THERMAL OIL OVEN

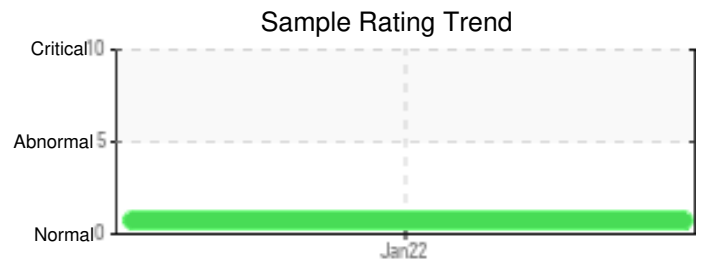
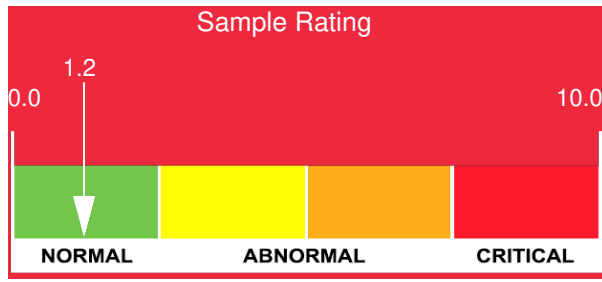
Customer: PTRHTF40136	System Information	Sample Information
JOINT UKRAINIAN ITALIAN VENTURE DOL... LVIV REGION, SOLONKA PUSTOMYTY, 81131 Ukraine Attn: Andriy Kurylyak Tel: (380)586-029002 E-Mail: andriy.kurylyak@b-biscotti.ua	System Volume: 2000 ltr Bulk Operating Temp: 536F / 280C Heating Source: Blanket: Fluid: PETRO CANADA PETRO-THERM Make: DAAB HAMBURG GMBH	Lab No: 02468214 Analyst: Alexander Panov Sample Date: 01/14/22 Received Date: 01/25/22 Completed: 02/10/22 Alexander Panov Alex.panov@hollyfrontier.com

Recommendation: Acid number is slightly elevated, other parameters are within normal. Continue monitoring.

Comments: Acid Number (AN) is abnormally high.

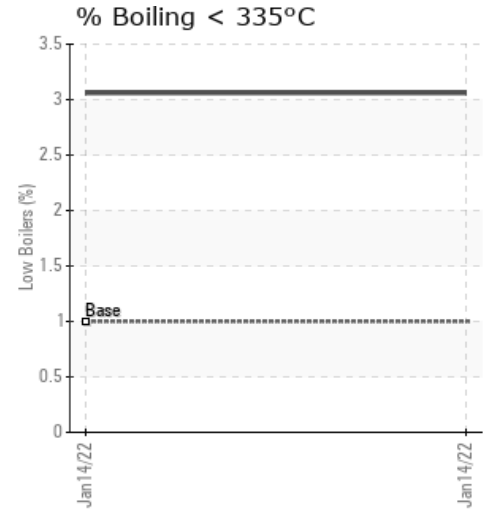
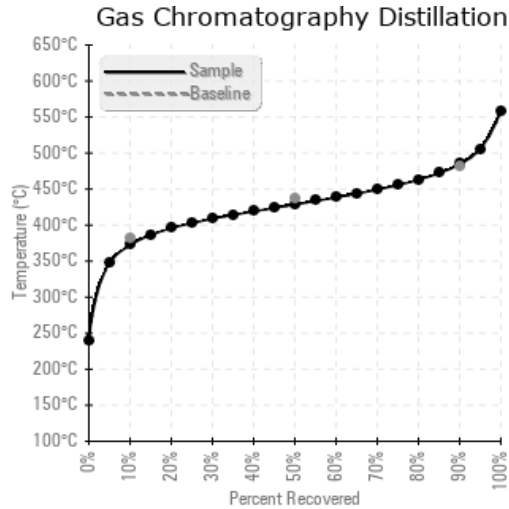
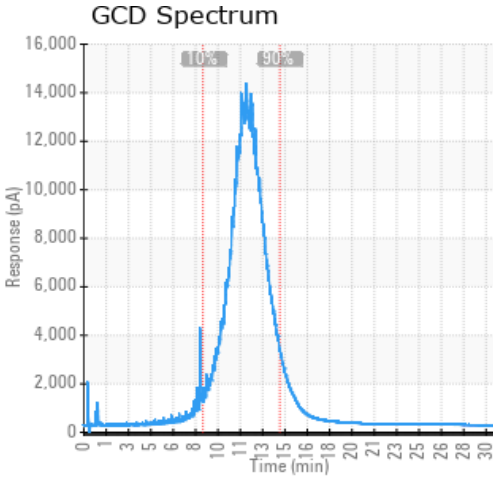
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
01/14/22	01/25/22	24.0m	Thermal drum	414 / 212	13.3	32.4	0.34	0.267	702 / 372	803 / 429	904 / 484	3.06
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
01/14/22	3	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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