

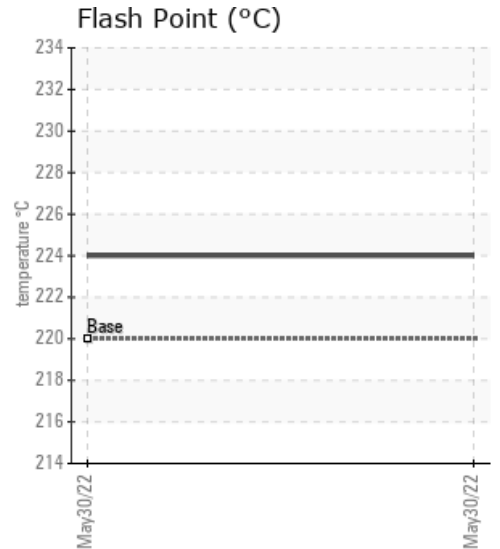
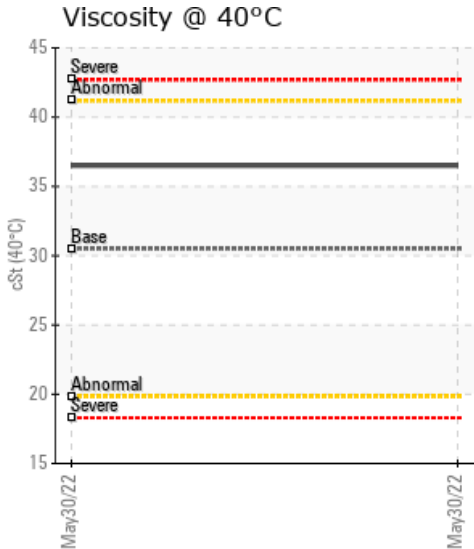
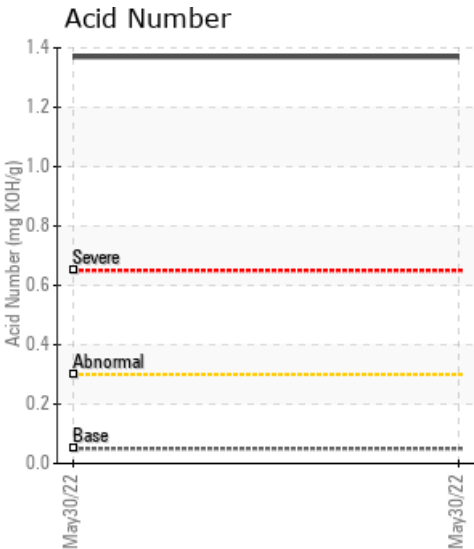
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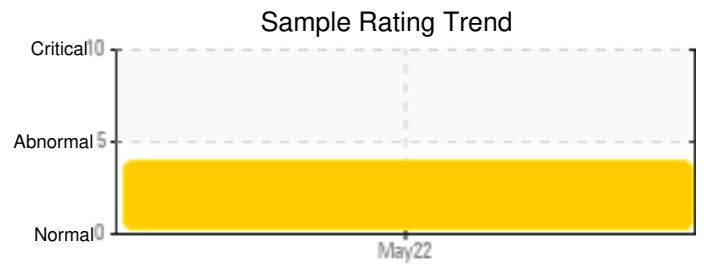
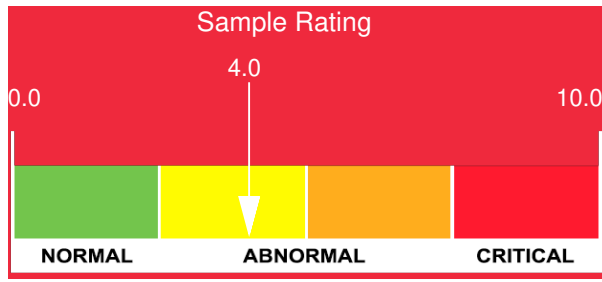
Customer: PTRHTF60034	System Information	Sample Information
TRIBOLOGIE RUE TAKI EDDINE ETG 5 APPT 11 QUARTIER DES HOPITAUX CASABLANCA-SETTAT, 20300 Morocco Attn: Laurent Aracil Tel: (212)662-165095	System Volume: 50000 ltr Bulk Operating Temp: 446F / 230C Heating Source: Blanket: Fluid: CASTROL PERFECTO HT5 Make: CASTROL	Lab No: 02494762 Analyst: Bill Quesnel CLS,OMA II,MLA-III,LLA-I Sample Date: 05/30/22 Received Date: 06/14/22 Completed: 06/28/22 Bill Quesnel CLS,OMA II,MLA-III,LLA-I

Recommendation: The high Acid Number, Insolubles and GCD 90% indicate that the fluid is highly oxidized. The oil is near the end of its useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition.

Comments: Pentane Insolubles levels are severely high. Acid Number (AN) is severely high. (GCD) 90% Distillation Point is abnormally high.

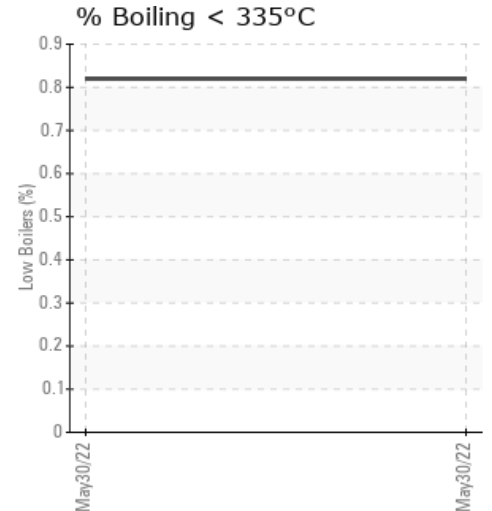
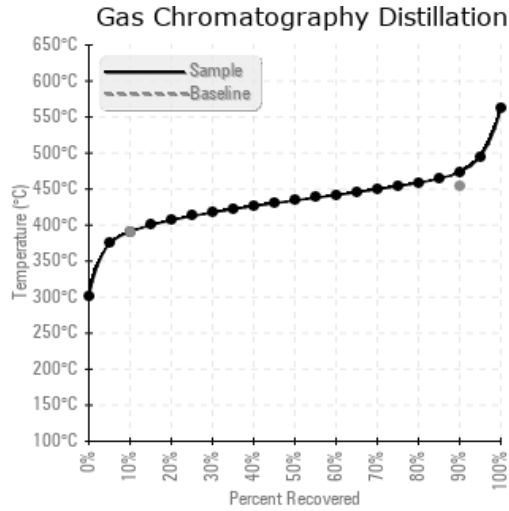
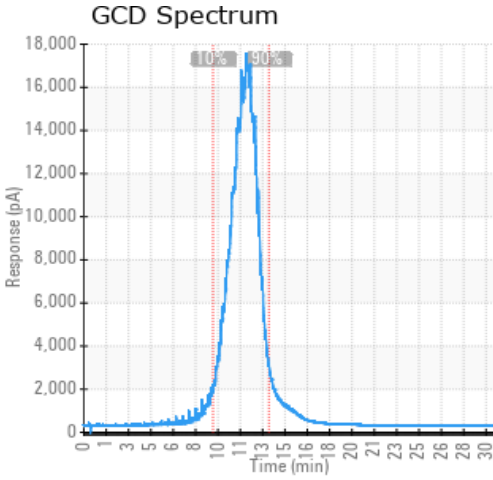
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
05/30/22	06/14/22	8.0y		435 / 224	96.6	36.5	1.37	1.51	735 / 391	814 / 434	884 / 474	0.82
Baseline Data				428 / 220		30.5	0.05		734 / 390		849 / 454	





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
05/30/22	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	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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