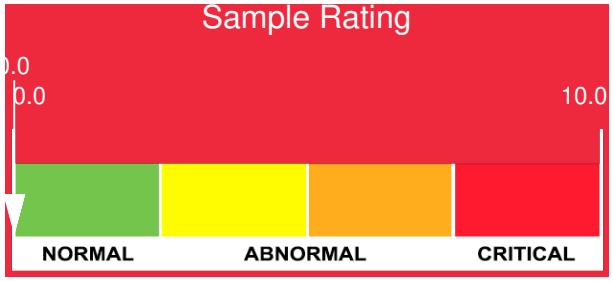
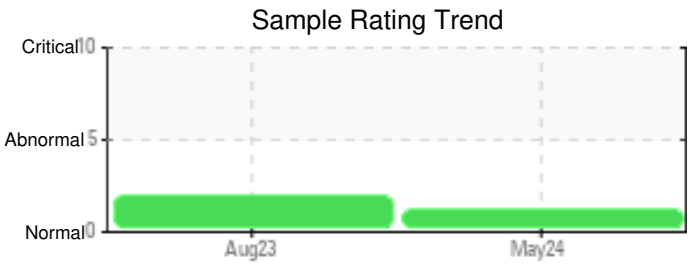




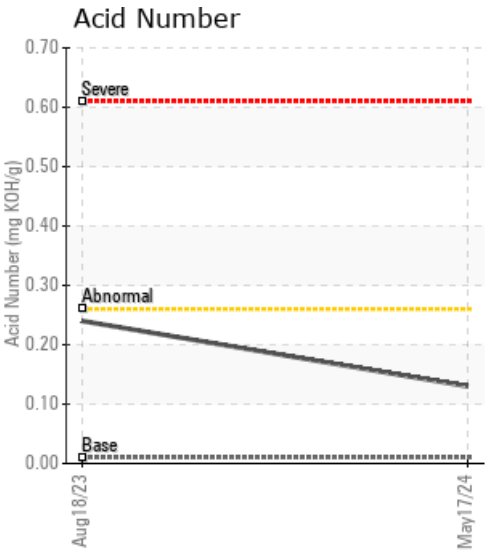
ERGON YELLOW CREEK

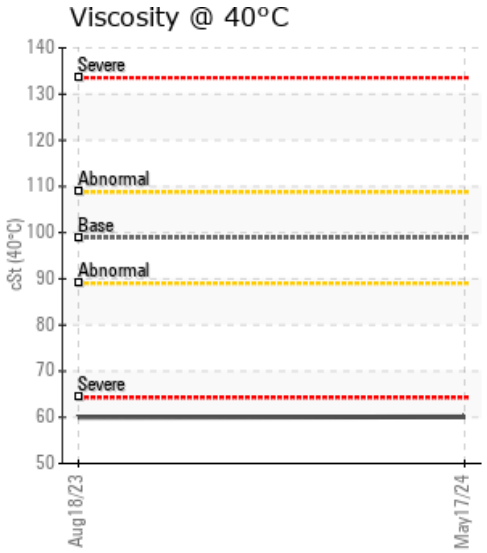
Customer:	System Information	Sample Information
ERGON - YELLOWCREEK 35 COUNTY RD 370 LUKA, MS 38852 US Attn: JIMMY FREDERICK Tel: E-Mail: Jimmy.Frederick@ergon.com	System Volume: 1 ltr Bulk Operating Temp: Not Specified Heating Source: Blanket: Fluid: ERGON HYGOLD L500 Make:	Lab No: 06186633 Analyst: Doug Bogart Sample Date: 05/17/24 Received Date: 05/21/24 Completed: 05/29/24 Doug Bogart dougb@wearcheckusa.com

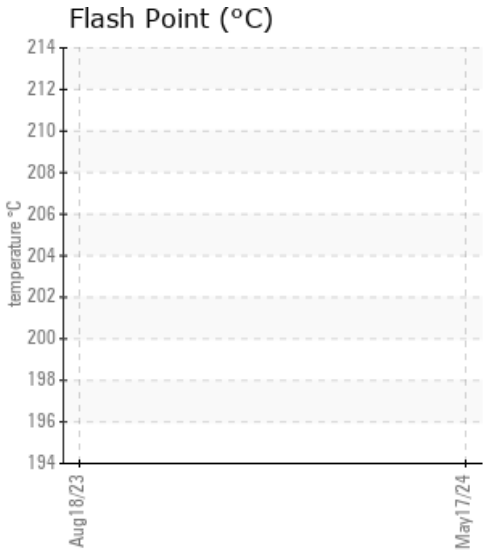
Recommendation: We recommend that you vent the expansion tank to remove low boilers which assists in restoring the flash point of the fluid. The low initial boiling point and viscosity, along with the low boilers present in the simulated distillation chromatogram indicate contamination with a volatile substance. Please review fluid safety requirements (i.e. flash point) regarding fluid operating temperatures. All tests and evaluation performed at WearCheck Canada.

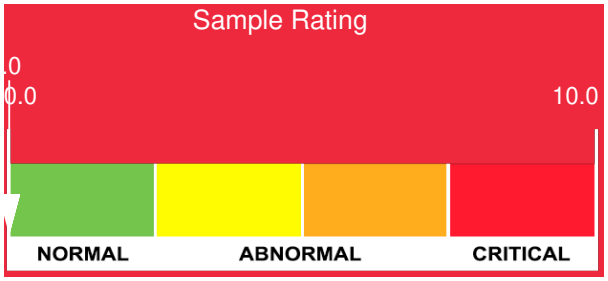
Comments: (GCD) Initial Boiling Point is abnormal. Visc @ 40°C is abnormally low.

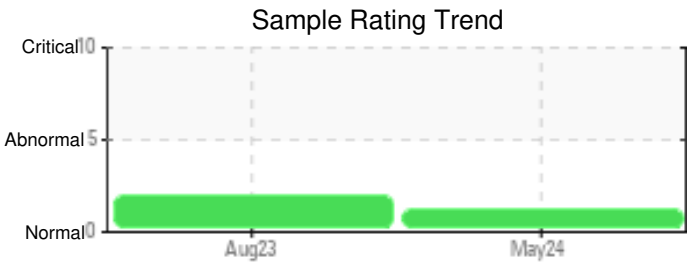
Sample Date	Received Date	Fluid Age	Sample Location	Flash Point (COC)	Water (KF)	Viscosity (40°C)	Acid Number	Solids	GCD 10%	GCD 50%	GCD 90%	GCD % < 335°C
	mm/dd/yy			°F/°C	ppm	cSt	mg/KOH/g	%wt	°F/°C	°F/°C	°F/°C	%
05/17/24	05/21/24	0.0h		399 / 204	40	60.1	0.13	0.129	647 / 342	786 / 419	897 / 481	7.85
08/18/23	08/24/23	0.0h			29.4	60.0	0.24					
Baseline Data				426 / 219		98.9	0.01					







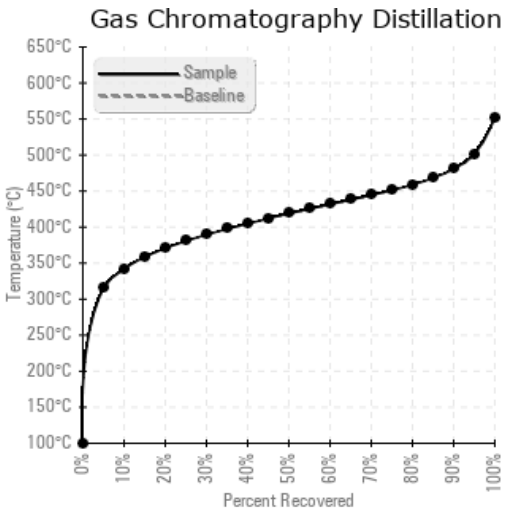


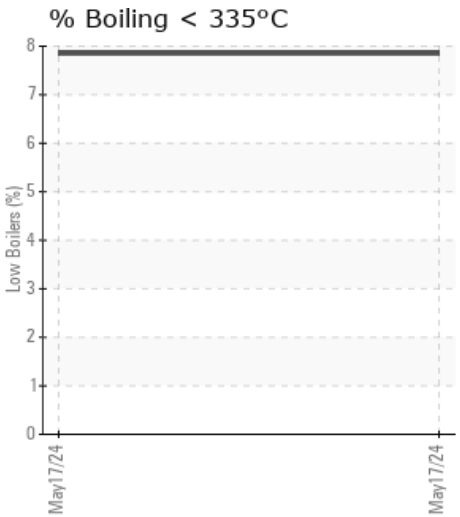


Sample Date	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
05/17/24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08/18/23	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0		0		2	0	0	0	10	0
Baseline Data			0	0						0			0	0				0	0				0	

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

GCD Spectrum





Historical Comments

08/18/23	We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Please note that this is a corrected copy for oil baseline data update and diagnostic comment updates.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is lower than normal. This plus the additive levels indicates the possible addition of a different brand or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

