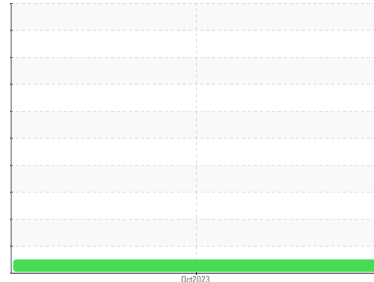


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
H4
Component
Front Heat Transfer Fluid
Fluid
ERGON HYGOLD L500 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry update for oil type.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the fluid. The amount and size of particulates present in the system are acceptable.

Fluid Condition
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	TO10002558	---	---
Sample Date	Client Info	31 Oct 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>200	3	---	---
Chromium	ppm	ASTM D5185m	>21	0	---	---
Nickel	ppm	ASTM D5185m	>21	<1	---	---
Titanium	ppm	ASTM D5185m	>21	0	---	---
Silver	ppm	ASTM D5185m	>21	0	---	---
Aluminum	ppm	ASTM D5185m	>21	0	---	---
Lead	ppm	ASTM D5185m	>21	0	---	---
Copper	ppm	ASTM D5185m	>21	0	---	---
Tin	ppm	ASTM D5185m	>21	<1	---	---
Vanadium	ppm	ASTM D5185m		3	---	---
Cadmium	ppm	ASTM D5185m		0	---	---

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		0	---	---
Calcium	ppm	ASTM D5185m		16	---	---
Phosphorus	ppm	ASTM D5185m		1	---	---
Zinc	ppm	ASTM D5185m		<1	---	---
Sulfur	ppm	ASTM D5185m	432	1362	---	---

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>25	0	---	---
Sodium	ppm	ASTM D5185m	>21	0	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water	%	ASTM D6304	>0.0601	0.014	---	---
ppm Water	ppm	ASTM D6304	>601	147.8	---	---

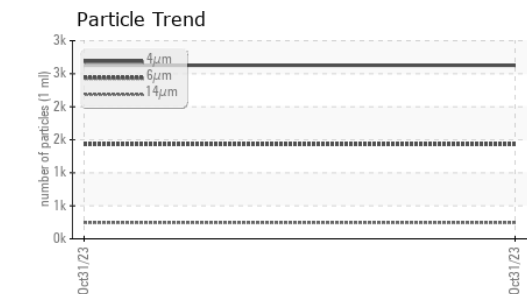
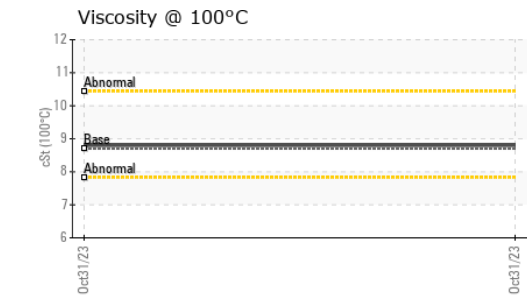
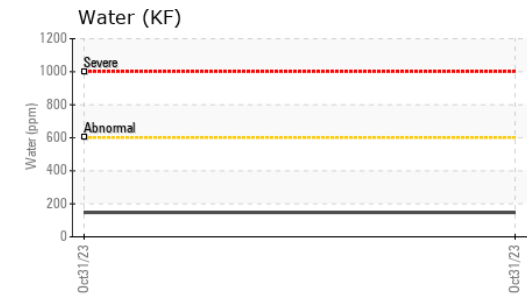
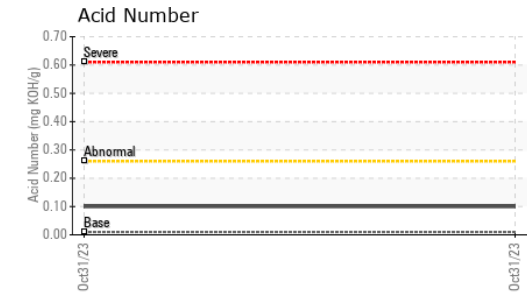
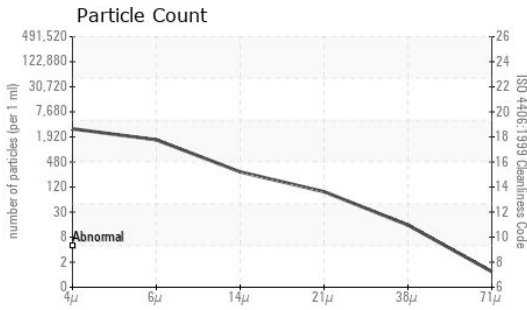
FLUID CLEANLINESS method limit/base current history1 history2

Particles >4µm		ASTM D7647		2627	---	---
Particles >6µm		ASTM D7647	>10240000	1431	---	---
Particles >14µm		ASTM D7647	>10240000	244	---	---
Particles >21µm		ASTM D7647	>2560000	82	---	---
Particles >38µm		ASTM D7647	>640000	13	---	---
Particles >71µm		ASTM D7647	>160000	1	---	---
Oil Cleanliness		ISO 4406 (c)	>--/30/30	19/18/15	---	---

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045	0.01	0.10	---	---
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OIL ANALYSIS REPORT



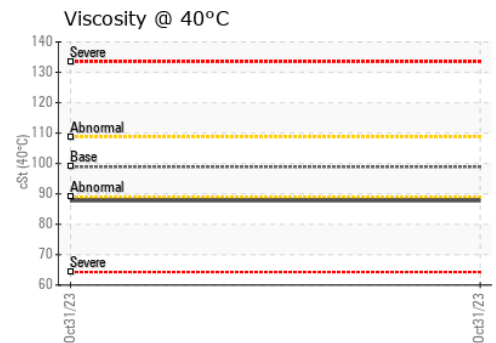
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.0601	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	98.9	87.8	---
Visc @ 100°C	cSt	ASTM D445	8.7	8.8	---
Viscosity Index (VI)	Scale	ASTM D2270	35	61	---

SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					
				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10002558 **Received** : 03 Nov 2023
Lab Number : 05997963 **Diagnosed** : 08 Nov 2023
Unique Number : 10726323 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

ERGMEMAE - MEMPHIS A-E
 1989 CHANNEL AVE
 MEMPHIS, TN
 US 38113
 Contact: JEREMEY CAHER
 Jeremey.Caher@ergmemae.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: