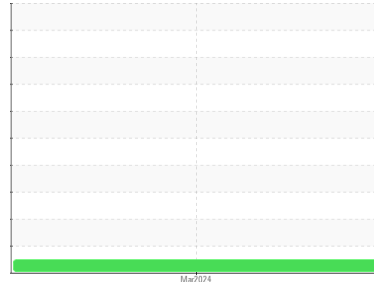


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
EAP GLOUCESTER PMAC 4-6-8 ERGON PMA
 Component
Heat Transfer Fluid
 Fluid
TULCO LUBSOIL LUBSTHERM 55 (7000 GAL)

DIAGNOSIS

Recommendation

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

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		TO10003510	---	---
Sample Date	Client Info		20 Mar 2024	---	---
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	61	---	---
Chromium	ppm	ASTM D5185m >21	<1	---	---
Nickel	ppm	ASTM D5185m >21	<1	---	---
Titanium	ppm	ASTM D5185m >21	<1	---	---
Silver	ppm	ASTM D5185m >21	0	---	---
Aluminum	ppm	ASTM D5185m >21	1	---	---
Lead	ppm	ASTM D5185m >21	1	---	---
Copper	ppm	ASTM D5185m >21	<1	---	---
Tin	ppm	ASTM D5185m >21	2	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	1	---	---
Manganese	ppm	ASTM D5185m	1	---	---
Magnesium	ppm	ASTM D5185m	<1	---	---
Calcium	ppm	ASTM D5185m	68	---	---
Phosphorus	ppm	ASTM D5185m	15	---	---
Zinc	ppm	ASTM D5185m	11	---	---
Sulfur	ppm	ASTM D5185m	0	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	---	---
Sodium	ppm	ASTM D5185m >21	0	---	---
Potassium	ppm	ASTM D5185m >20	<1	---	---
Water	%	ASTM D6304 >0.0601	0.003	---	---
ppm Water	ppm	ASTM D6304 >601	38	---	---

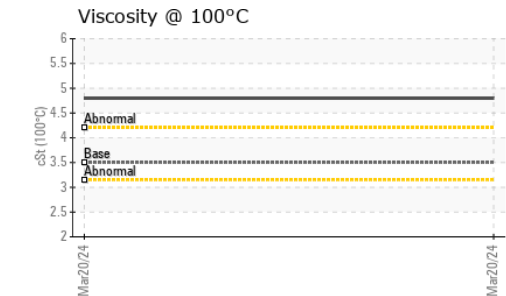
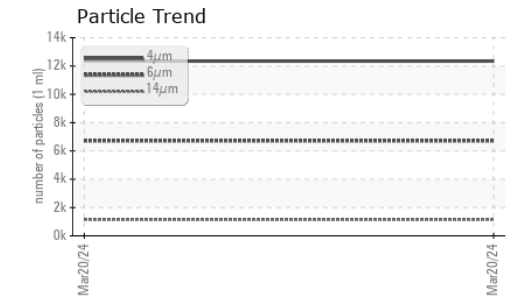
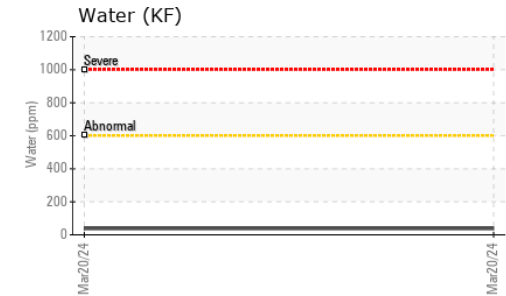
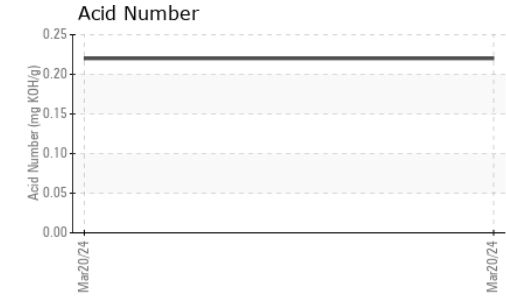
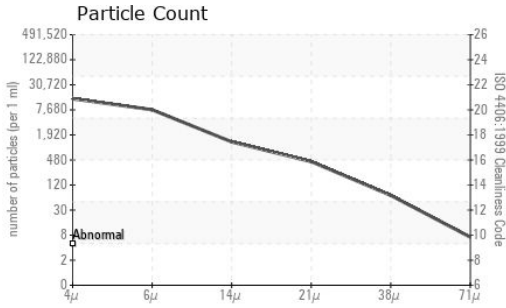
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		12345	---	---
Particles >6µm	ASTM D7647	>10240000	6725	---	---
Particles >14µm	ASTM D7647	>10240000	1144	---	---
Particles >21µm	ASTM D7647	>2560000	386	---	---
Particles >38µm	ASTM D7647	>640000	60	---	---
Particles >71µm	ASTM D7647	>160000	6	---	---
Oil Cleanliness	ISO 4406 (c)	>--/30/30	21/20/17	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.22	---	---



OIL ANALYSIS REPORT



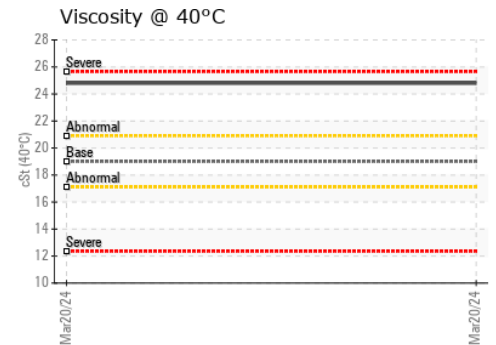
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
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	19	24.8	---	---
Visc @ 100°C	cSt	ASTM D445	3.5	4.8	---	---
Viscosity Index (VI)	Scale	ASTM D2270	92	114	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10003510 **Received** : 11 Apr 2024
Lab Number : **06146586** **Tested** : 19 Apr 2024
Unique Number : 10976664 **Diagnosed** : 19 Apr 2024 - Doug Bogart
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

ERGON - GLOUCESTER CITY
 201 WATER ST
 GLOUCESTER CITY, NJ
 US 08030
 Contact: KEVIN HANSON
 Kevin.Hanson@ergon.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)