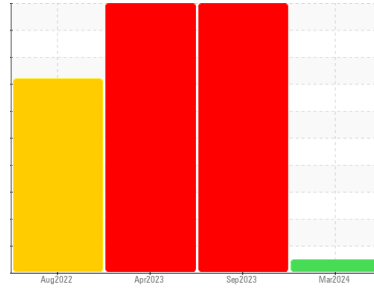




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
Building 19
 Machine Id
West Pugmill (West GBX)
 Component
West Agitator Gearbox
 Fluid
MOBIL GLYGOYLE HE ISO 460 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0901934	WC0820063	WC0782533
Sample Date	Client Info		16 Mar 2024	04 Sep 2023	02 Apr 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Not Chngd	Not Chngd	N/A
Sample Status			NORMAL	SEVERE	SEVERE

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	17	▲ 311	▲ 761
Chromium	ppm	ASTM D5185m >10	0	3	2
Nickel	ppm	ASTM D5185m >10	1	▲ 36	▲ 30
Titanium	ppm	ASTM D5185m	0	<1	<1
Silver	ppm	ASTM D5185m	0	<1	<1
Aluminum	ppm	ASTM D5185m >25	2	6	4
Lead	ppm	ASTM D5185m >100	2	2	3
Copper	ppm	ASTM D5185m >50	30	▲ 1050	▲ 1227
Tin	ppm	ASTM D5185m >10	4	▲ 245	▲ 231
Vanadium	ppm	ASTM D5185m	0	0	<1
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	6
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	3
Manganese	ppm	ASTM D5185m	<1	2	4
Magnesium	ppm	ASTM D5185m	2	2	13
Calcium	ppm	ASTM D5185m	0	2	6
Phosphorus	ppm	ASTM D5185m	509	74	463
Zinc	ppm	ASTM D5185m	0	0	12
Sulfur	ppm	ASTM D5185m	810	1338	1373

CONTAMINANTS

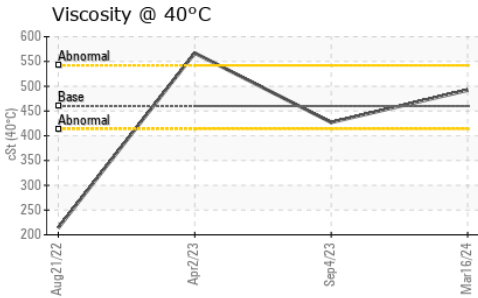
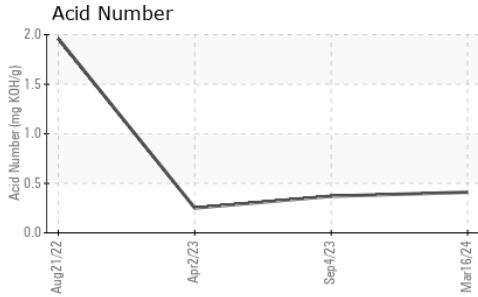
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	10	8	13
Sodium	ppm	ASTM D5185m	0	0	0
Potassium	ppm	ASTM D5185m >20	3	<1	4

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.41	0.37	0.251



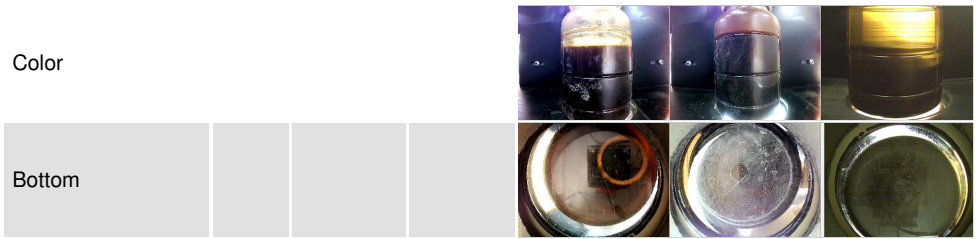
OIL ANALYSIS REPORT



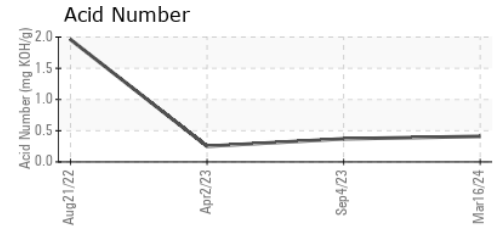
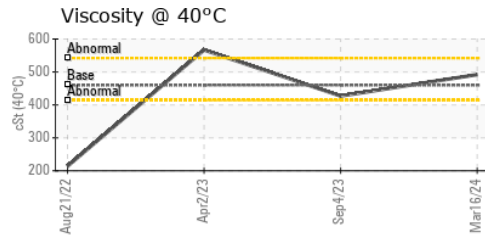
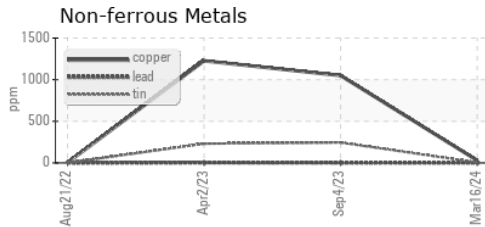
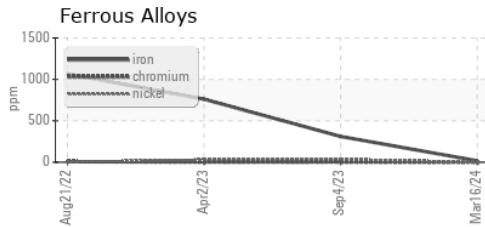
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER ▲	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	▲
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	460	492	427

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0901934 **Received** : 05 Apr 2024
Lab Number : **06140056** **Tested** : 08 Apr 2024
Unique Number : 10964864 **Diagnosed** : 08 Apr 2024 - Don Baldrige
Test Package : IND 2

3M - PITTSBORO
 4191 NC 87 S
 MONCURE, NC
 US 27559

Contact: CHARLES JARRELL
cjarrell@mmm.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: