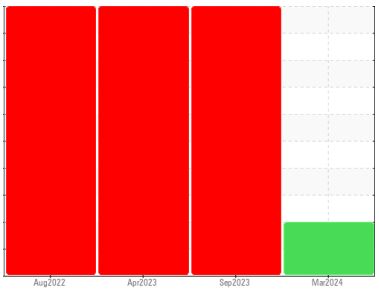
OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

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

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear
The copper level has decreased, but is still abnormal. The lead level has decreased, but is still abnormal. All other component wear rates are normal.

Contamination
Moderate concentration of visible dirt/debris present in the oil.

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0901933**	WC0853796	WC0782536
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 Changd**	Not Changd	N/A
Sample Status				**ABNORMAL**	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	**9**	80	▲ 245
Chromium	ppm	ASTM D5185m	>10	**0**	<1	2
Nickel	ppm	ASTM D5185m	>10	**2**	15	▲ 21
Titanium	ppm	ASTM D5185m		**0**	<1	2
Silver	ppm	ASTM D5185m		**0**	<1	<1
Aluminum	ppm	ASTM D5185m	>25	**1**	5	3
Lead	ppm	ASTM D5185m	>100	**0**	<1	2
Copper	ppm	ASTM D5185m	>50	▲ **111**	▲ 861	▲ 916
Tin	ppm	ASTM D5185m	>10	▲ **14**	▲ 117	▲ 157
Vanadium	ppm	ASTM D5185m		**0**	0	<1
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	8	14
Barium	ppm	ASTM D5185m		**4**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	5	47
Manganese	ppm	ASTM D5185m		**<1**	<1	3
Magnesium	ppm	ASTM D5185m		**1**	3	14
Calcium	ppm	ASTM D5185m		**0**	5	33
Phosphorus	ppm	ASTM D5185m		**414**	372	593
Zinc	ppm	ASTM D5185m		**0**	0	32
Sulfur	ppm	ASTM D5185m		**673**	2100	6547

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**8**	10	16
Sodium	ppm	ASTM D5185m		**<1**	0	<1
Potassium	ppm	ASTM D5185m	>20	**3**	1	3

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.47**	1.07	1.07

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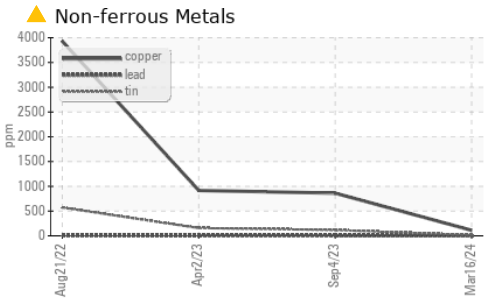
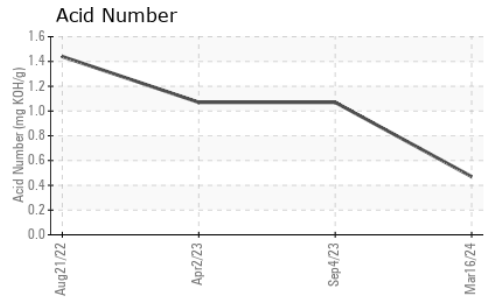
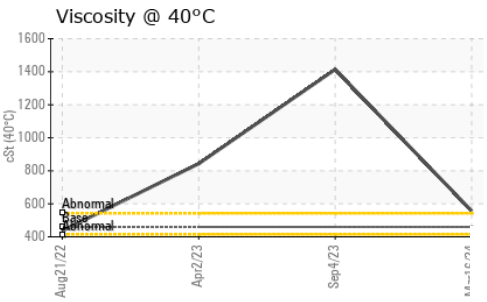




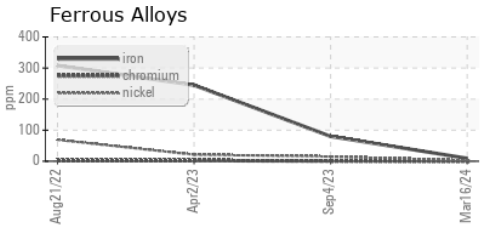


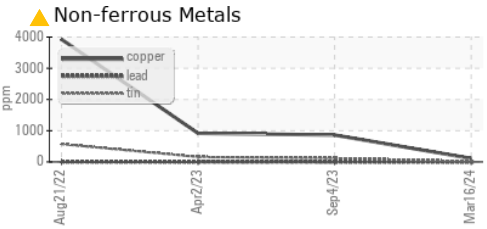
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	LIGHT
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	▲ HEAVY
Debris	scalar	*Visual	NONE	▲ **MODER**	NONE	NONE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

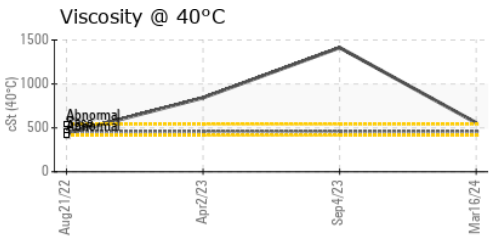
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	460	**557**	▲ 1414	▲ 843

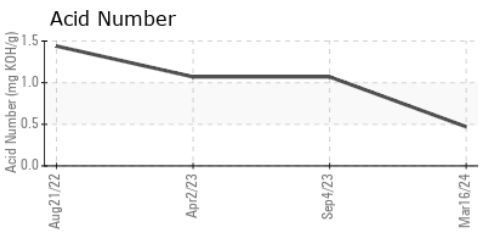
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS









Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0901933
Lab Number : 06140054
Unique Number : 10964862
Test Package : IND 2

Received : 05 Apr 2024
Tested : 08 Apr 2024
Diagnosed : 08 Apr 2024 - Don Baldridge

Certificate L2367

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)

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Report Id: THRPIT [WUSCAR] 06140054 (Generated: 04/08/2024 14:58:49) Rev: 1

Submitted By: JORDAN TUTEN