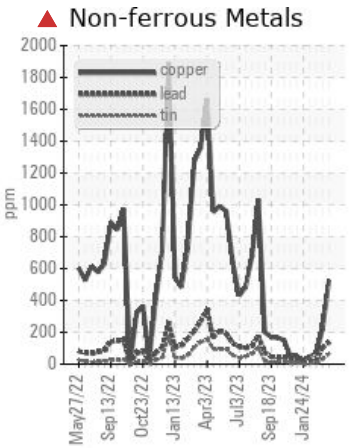
PROBLEM SUMMARY

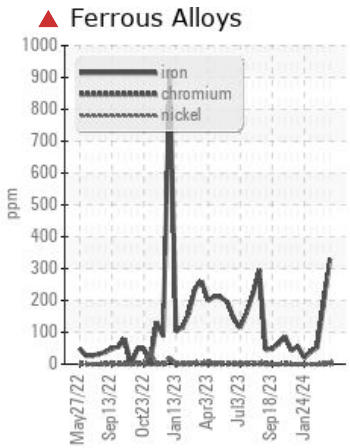
Area
Building 12
Machine Id
Cone 2B
Component
Bulk Tank Lube System
Fluid
MOBIL MOBILGEAR 600 XP 320 (--- GAL)

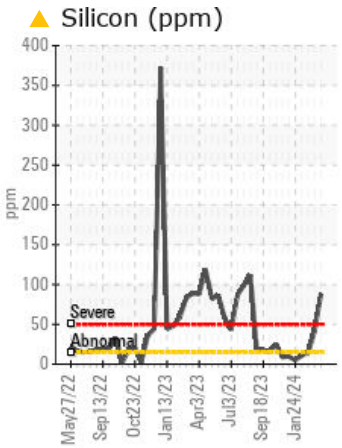
Sample Rating Trend

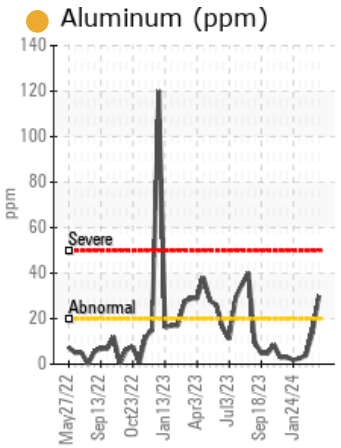
WEAR

COMPONENT CONDITION SUMMARY









RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil filtered at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	---	---
Iron	ppm	ASTM D5185m	>20	▲ **330**	▲ 52	▲ 185
Lead	ppm	ASTM D5185m	>20	▲ **134**	19	▲ 104
Copper	ppm	ASTM D5185m	>20	▲ **527**	▲ 66	▲ 219
Tin	ppm	ASTM D5185m	>20	▲ **65**	7	▲ 31
Silicon	ppm	ASTM D5185m	>15	▲ **88**	14	▲ 41
Silt	scalar	*Visual	NONE	▲ **MODER**	▲ MODER	▲ MODER

Customer Id: THRPIT
Sample No.: WC0901938
Lab Number: 06140055
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

06 Mar 2024 Diag:

UNKNOWN

view report

06 Mar 2024 Diag:

UNKNOWN

view report

05 Feb 2024 Diag:

UNKNOWN

view report

OIL ANALYSIS REPORT

Area
Building 12
Machine Id
Cone 2B
Component
Bulk Tank Lube System
Fluid
MOBIL MOBILGEAR 600 XP 320 (--- GAL)

Sample Rating Trend

WEAR

DIAGNOSIS

Recommendation
We advise that you check all areas where dirt can enter the system. The oil filtered at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear
Gear wear is indicated. Bearing and/or bushing wear is indicated.

Contamination
There is a moderate amount of visible silt present in the sample. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition
The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0901938**	WC0901929	WC0901955
Sample Date		Client Info		**23 Mar 2024**	06 Mar 2024	06 Mar 2024
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Filtered**	Filtered	Filtered
Sample Status				**SEVERE**	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.05	**NEG**	NEG	NEG

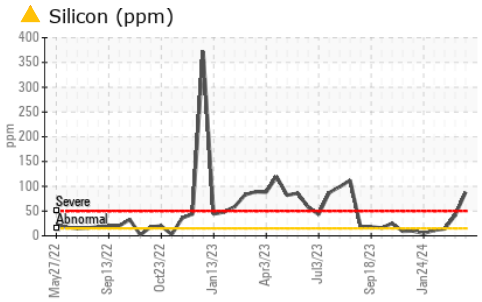
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	▲ **330**	▲ 52	▲ 185
Chromium	ppm	ASTM D5185m	>20	**2**	0	<1
Nickel	ppm	ASTM D5185m	>20	**7**	0	3
Titanium	ppm	ASTM D5185m		**2**	0	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>20	● **30**	4	● 14
Lead	ppm	ASTM D5185m	>20	▲ **134**	19	▲ 104
Copper	ppm	ASTM D5185m	>20	▲ **527**	▲ 66	▲ 219
Tin	ppm	ASTM D5185m	>20	▲ **65**	7	▲ 31
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

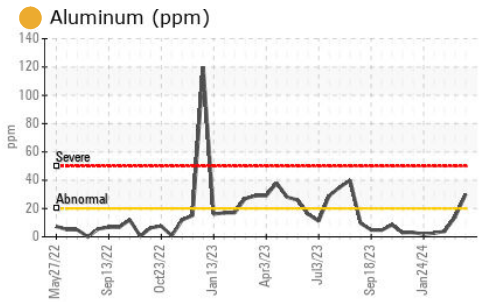
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**19**	24	19
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	4	2
Manganese	ppm	ASTM D5185m		**3**	<1	2
Magnesium	ppm	ASTM D5185m		**16**	2	7
Calcium	ppm	ASTM D5185m		**15**	1	6
Phosphorus	ppm	ASTM D5185m		**277**	292	267
Zinc	ppm	ASTM D5185m		**4**	0	0
Sulfur	ppm	ASTM D5185m		**16813**	16962	15977

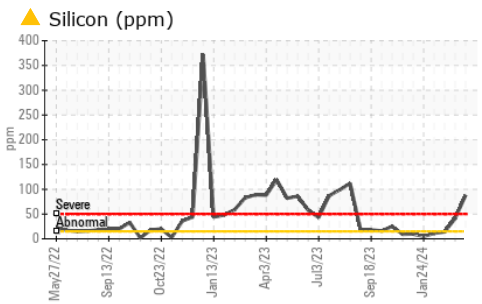
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	▲ **88**	14	▲ 41
Sodium	ppm	ASTM D5185m		**11**	2	6
Potassium	ppm	ASTM D5185m	>20	**3**	<1	<1

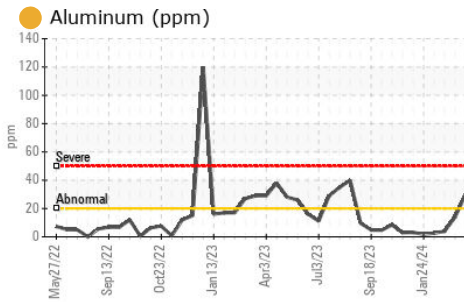
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.58**	0.81	0.54

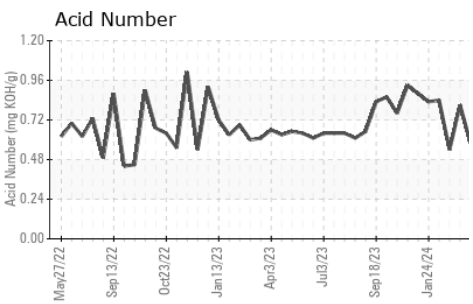
OIL ANALYSIS REPORT









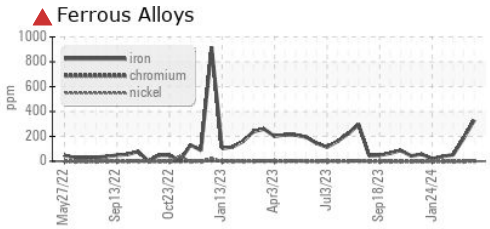


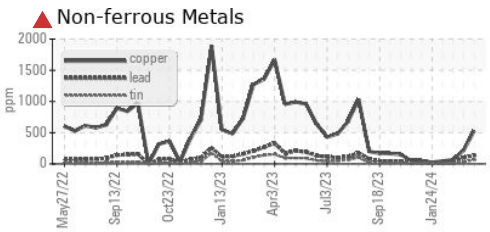
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	▲ MODER	▲ LIGHT
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	▲ **MODER**	▲ MODER	▲ MODER
Debris	scalar	*Visual	NONE	**NONE**	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	>0.05	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

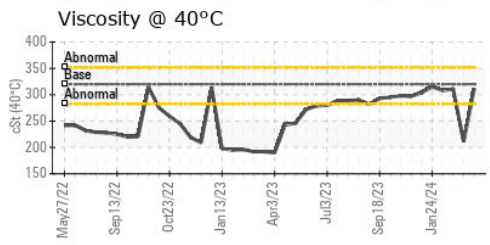
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	**311**	▲ 211	311

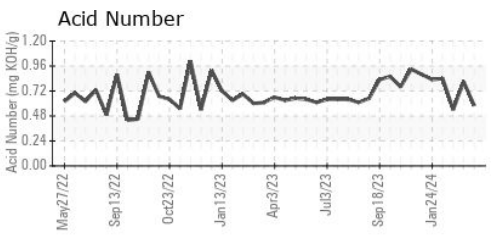
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0901938
Lab Number : 06140055
Unique Number : 10964863
Test Package : IND 2

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

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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Contact: CHARLES JARRELL
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Report Id: THRPIT [WUSCAR] 06140055 (Generated: 04/08/2024 15:00:44) Rev: 2

Submitted By: JORDAN TUTEN