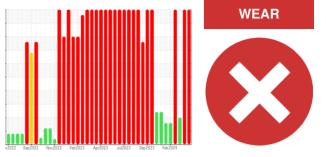


PROBLEM SUMMARY

MOBIL MOBILGEAR 600 XP 320 (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

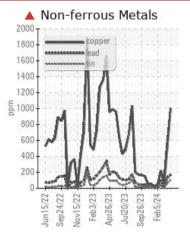
Area

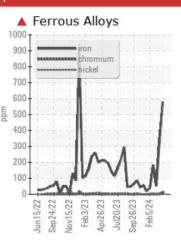
Fluid

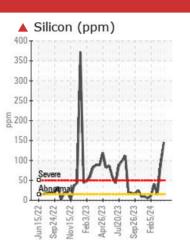
Building 12

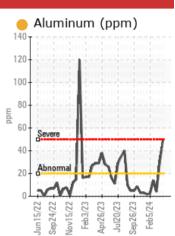
Bulk Tank Lube System

Cone 2B









RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. 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	SEVERE	ABNORMAL		
Iron	ppm	ASTM D5185m	>20	4 578	▲ 330	<mark>▲</mark> 52		
Lead	ppm	ASTM D5185m	>20	1 66	1 34	19		
Copper	ppm	ASTM D5185m	>20	▲ 1003	▲ 527	6 6		
Tin	ppm	ASTM D5185m	>20	▲ 101	6 5	7		
Silicon	ppm	ASTM D5185m	>15	🔺 145	<u> </u>	14		

Customer Id: THRPIT Sample No.: WC0936870 Lab Number: 06177812 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

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

RECOMMENDED ACTIONS

Action Inspect Wear Source	Status	Date	Done By ?	Description We advise that you inspect for the source(s) of wear.
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.
Change Filter			?	We recommend you service the filters on this component.
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



23 Mar 2024 Diag: Don Baldridge

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.Gear wear is indicated. Bearing and/or bushing wear is indicated. 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. The AN level is acceptable for this fluid.



view report

06 Mar 2024 Diag: Don Baldridge

No corrective action is recommended at this time. Resample at the next service interval to monitor.Bearing and/or gear wear is indicated. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.



WEAR

05 Mar 2024 Diag: Don Baldridge

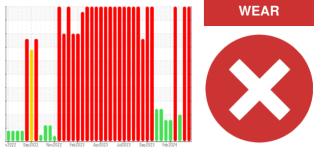
We advise that you check all areas where dirt can enter the system. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Bearing and/or bushing wear is indicated. Elemental levels of silicon (Si) and aluminum (AI) indicate alumina-silicate (coarse dirt) ingress. The AN level is acceptable for this fluid.





OIL ANALYSIS REPORT

Sample Rating Trend



Component Bulk Tank Lube System Fluid MOBIL MOBILGEAR 600 XP 320 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Area

Building 12

🔺 Wear

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

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

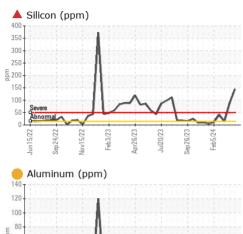
Fluid Condition

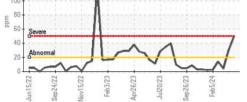
The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

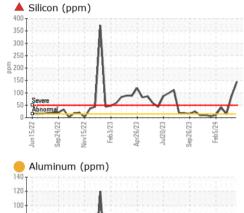
SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0936870	WC0901938	WC0901929
Sample Date		Client Info		26 Apr 2024	23 Mar 2024	06 Mar 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Filtered	Filtered	Filtered
Sample Status				SEVERE	SEVERE	ABNORMAL
CONTAMINATIO	N	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	578	3 30	5 2
Chromium	ppm	ASTM D5185m	>20	5	2	0
Nickel	ppm	ASTM D5185m	>20	13	7	0
Titanium	ppm	ASTM D5185m		4	2	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<mark> </mark> 49	0 30	4
Lead	ppm	ASTM D5185m	>20	4 166	1 34	19
Copper	ppm	ASTM D5185m	>20	1 003	▲ 527	6 6
Tin	ppm	ASTM D5185m	>20	1 01	6 5	7
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		29	19	24
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	0	4
Manganese	ppm	ASTM D5185m		5	3	<1
Magnesium	ppm	ASTM D5185m		24	16	2
Calcium	ppm	ASTM D5185m		80	15	1
Phosphorus	ppm	ASTM D5185m		313	277	292
Zinc	ppm	ASTM D5185m		40	4	0
Sulfur	ppm	ASTM D5185m		15953	16813	16962
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1 45	8 8	14
Sodium	ppm	ASTM D5185m		16	11	2
Potassium	ppm	ASTM D5185m	>20	8	3	<1
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	mg KOH/g	ASTM D8045				

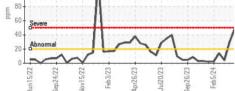


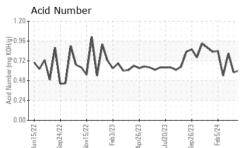
OIL ANALYSIS REPORT





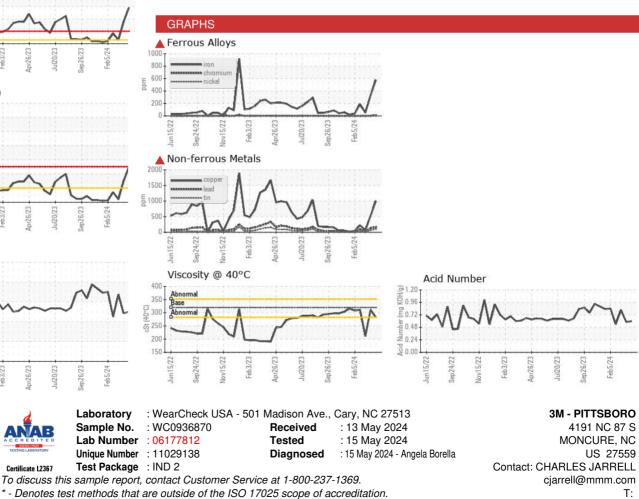






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	🔺 MODER	MODER
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	283	311	211
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						

Bottom



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

Report Id: THRPIT [WUSCAR] 06177812 (Generated: 05/15/2024 21:49:16) Rev: 1

Submitted By: JORDAN TUTEN

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