

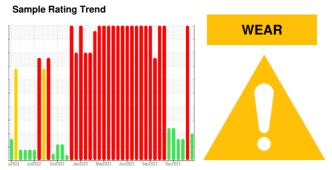
OIL ANALYSIS REPORT

OODT



Building 12
Cone 2B
Component
Bulk Tank Lube System

MOBIL MOBILGEAR 600 XP 320 (--- GAL)



DIAGNOSIS

Recommendation

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

Wear

Bearing and/or gear wear is indicated.

Contamination

There is no indication of any contamination in the oil

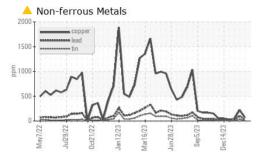
Fluid Condition

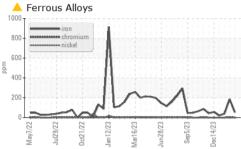
Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

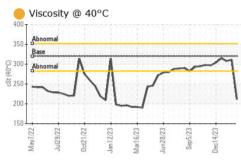
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0901929	WC0901955	WC0901961
Sample Date		Client Info		06 Mar 2024	05 Mar 2024	05 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Filtered	Filtered	Filtered
Sample Status				ABNORMAL	SEVERE	ABNORMAL
CONTAMINATION	V	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	<u>▲</u> 52	1 85	▲ 39
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	0	3	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	14	3
Lead	ppm	ASTM D5185m	>20	19	1 04	12
Copper	ppm	ASTM D5185m	>20	<u></u> 66	▲ 219	4 7
Tin	ppm	ASTM D5185m	>20	7	△ 31	4
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		24	19	15
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		4	2	0
Manganese	ppm	ASTM D5185m		<1	2	<1
Magnesium	ppm	ASTM D5185m		2	7	<1
Calcium	ppm	ASTM D5185m		1	6	1
Phosphorus	ppm	ASTM D5185m		292	267	290
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		16962	15977	16360
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	14	<u></u> 41	11
Sodium	ppm	ASTM D5185m		2	6	1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.81	0.54	0.84

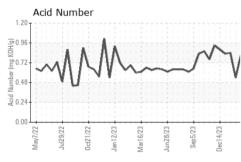


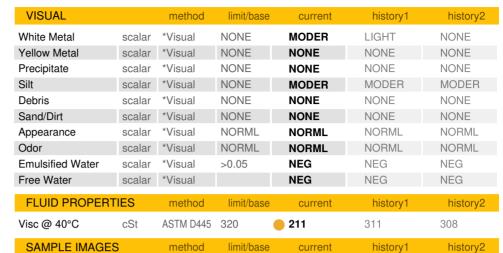
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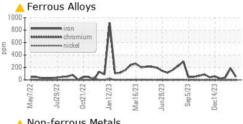


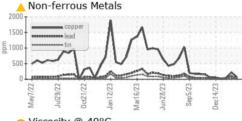
Color

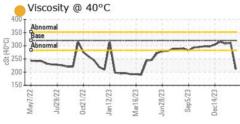


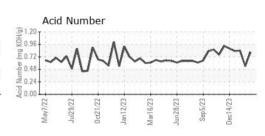


GRAPHS













Certificate 12367

Laboratory

Sample No. Lab Number : 06140080

: WC0901929 Unique Number : 10964888 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Apr 2024 Tested : 09 Apr 2024

Diagnosed : 09 Apr 2024 - Don Baldridge

US 27559 Contact: CHARLES JARRELL cjarrell@mmm.com T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)

F:

3M - PITTSBORO

4191 NC 87 S

MONCURE, NC