

PROBLEM SUMMARY







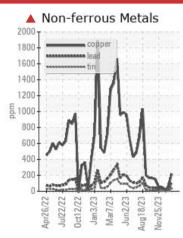


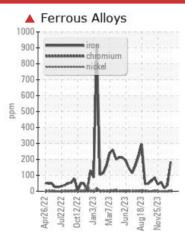
Building 12 Cone 2B Component

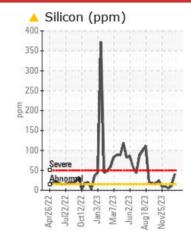
Bulk Tank Lube System

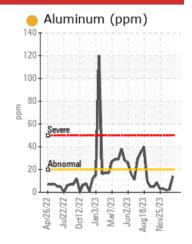
MOBIL MOBILGEAR 600 XP 320 (--- GAL)

COMPONENT CONDITION SUMMARY









RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	ABNORMAL	ABNORMAL		
Iron	ppm	ASTM D5185m	>20	185	△ 39	<u>^</u> 20		
Lead	ppm	ASTM D5185m	>20	104	12	9		
Copper	ppm	ASTM D5185m	>20	219	4 7	<u>^</u> 26		
Tin	ppm	ASTM D5185m	>20	△ 31	4	2		
Silicon	ppm	ASTM D5185m	>15	△ 41	11	5		

Customer Id: THRPIT Sample No.: WC0901955 Lab Number: 06140078 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	MISSED	Apr 09 2024	?	We advise that you inspect for the source(s) of wear.	
Resample	MISSED	Apr 09 2024	?	We recommend an early resample to monitor this condition.	
Check Dirt Access	MISSED	Apr 09 2024	?	We advise that you check all areas where dirt can enter the system.	

HISTORICAL DIAGNOSIS

05 Feb 2024 Diag: Don Baldridge

WEAR

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



WEAR



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



WEAR



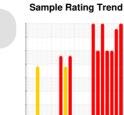
14 Dec 2023 Diag: Jonathan Hester

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. 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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT









Building 12 Cone 2B

Bulk Tank Lube System

MOBIL MOBILGEAR 600 XP 320 (--- GAL)

DIAGNOSIS

Recommendation

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.

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.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0901955	WC0901961	WC0901966
Sample Date		Client Info		05 Mar 2024	05 Feb 2024	24 Jan 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	ABNORMAL	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
ron	ppm	ASTM D5185m	>20	185	4 39	<u>^</u> 20
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	3	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<u> </u>	3	2
Lead	ppm	ASTM D5185m	>20	1 04	12	9
Copper	ppm	ASTM D5185m	>20	1 219	4 7	<u>^</u> 26
Tin	ppm	ASTM D5185m	>20	▲ 31	4	2
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	15	15
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	0	0
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m		7	<1	1
Calcium	ppm	ASTM D5185m		6	1	1
Phosphorus	ppm	ASTM D5185m		267	290	275
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		15977	16360	16025
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	41	11	5
Sodium	ppm	ASTM D5185m		6	1	1
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
FLUID DEGRAD	ATION_	method	limit/base	current	history1	history2

0.54

Acid Number (AN)

mg KOH/g ASTM D8045

0.84

0.83



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0901955 Lab Number : 06140078 Unique Number : 10964886

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

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)

3M - PITTSBORO

4191 NC 87 S MONCURE, NC US 27559

Contact: CHARLES JARRELL

cjarrell@mmm.com

T: F: