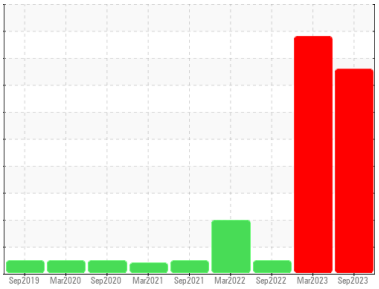
PROBLEM SUMMARY

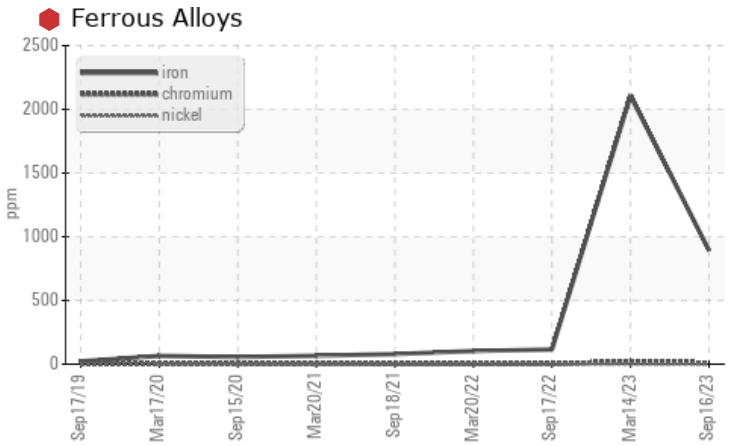
Area
WHEY [1815785]
Machine Id
SL117AG21GB21
Component
Gearbox
Fluid
MOBIL MOBILGEAR 600 XP 220 (--- GAL)

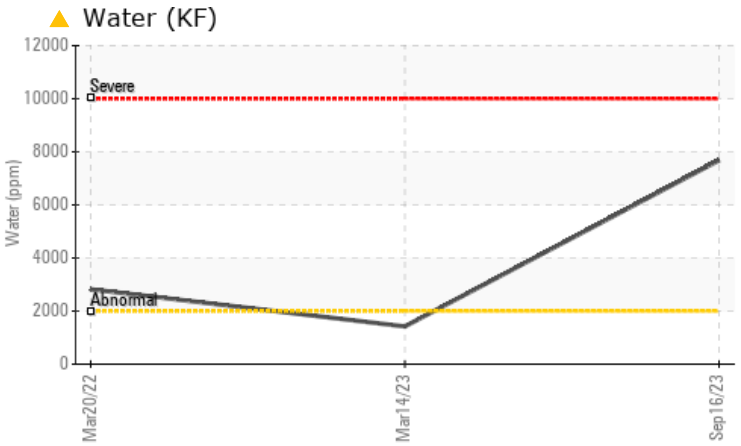
Sample Rating Trend



WEAR

COMPONENT CONDITION SUMMARY





RECOMMENDATION

We advise that you check for the source of water entry. 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	NORMAL
Iron	ppm	ASTM D5185m	>200	**893**	2106	115
Water	%	ASTM D6304	>0.2	**0.768**	0.142	---
ppm Water	ppm	ASTM D6304	>2000	**7680**	1420	---
Emulsified Water	scalar	*Visual	>0.2	**0.2%**	0.2%	NEG

Customer Id: LEPGRE
Sample No.: WC0848823
Lab Number: 05961541
Test Package: IND 1

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 Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

14 Mar 2023 Diag: Don Baldridge

WEAR

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.The iron level is severe. Moderate concentration of visible metal present. Gear wear is indicated. Appearance is milky. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

view report

17 Sep 2022 Diag: Wes Davis

NORMAL

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report

20 Mar 2022 Diag: Angela Borella

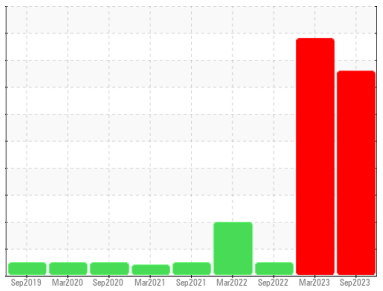
WATER

We advise that you check for the source of water entry. Inspect/change breather if applicable. Resample at the next service interval to monitor.All component wear rates are normal. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
WHEY [1815785]
Machine Id
SL117AG21GB21
Component
Gearbox
Fluid
MOBIL MOBILGEAR 600 XP 220 (--- GAL)

DIAGNOSIS

Recommendation
We advise that you check for the source of water entry. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear
The iron level has decreased, but is still abnormal. Gear wear is indicated.

Contamination
There is a moderate concentration of water present in the oil.

Fluid Condition
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0848823**	WC0783357	WC0721020
Sample Date		Client Info		**16 Sep 2023**	14 Mar 2023	17 Sep 2022
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**SEVERE**	SEVERE	NORMAL

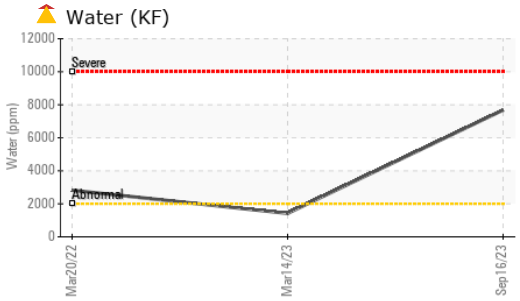
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**893**	2106	115
Chromium	ppm	ASTM D5185m	>15	**10**	24	<1
Nickel	ppm	ASTM D5185m	>15	**<1**	1	0
Titanium	ppm	ASTM D5185m		**<1**	<1	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**1**	6	1
Lead	ppm	ASTM D5185m	>100	**0**	0	0
Copper	ppm	ASTM D5185m	>200	**2**	3	<1
Tin	ppm	ASTM D5185m	>25	**0**	0	<1
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	<1	0

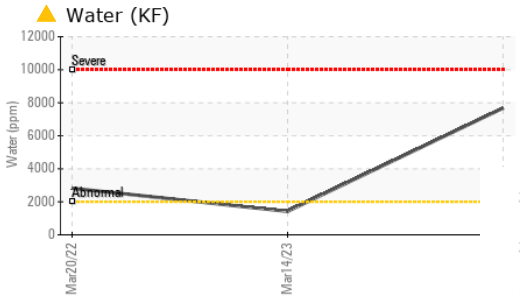
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**8**	19	7
Barium	ppm	ASTM D5185m		**0**	0	<1
Molybdenum	ppm	ASTM D5185m		**<1**	1	<1
Manganese	ppm	ASTM D5185m		**4**	10	2
Magnesium	ppm	ASTM D5185m		**1**	3	2
Calcium	ppm	ASTM D5185m		**9**	19	9
Phosphorus	ppm	ASTM D5185m		**253**	431	314
Zinc	ppm	ASTM D5185m		**53**	92	67
Sulfur	ppm	ASTM D5185m		**15567**	19877	16584

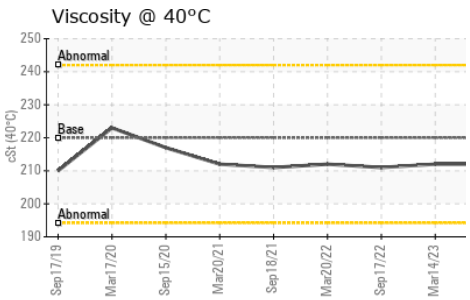
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**4**	10	2
Sodium	ppm	ASTM D5185m		**0**	2	2
Potassium	ppm	ASTM D5185m	>20	**<1**	<1	1
Water	%	ASTM D6304	>0.2	**0.768**	0.142	---
ppm Water	ppm	ASTM D6304	>2000	**7680**	1420	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	MILKY	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	**0.2%**	0.2%	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

OIL ANALYSIS REPORT

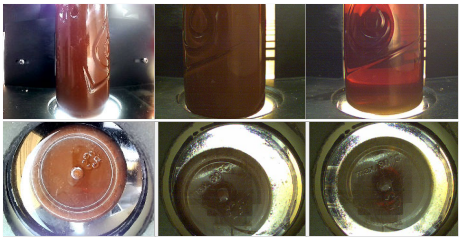




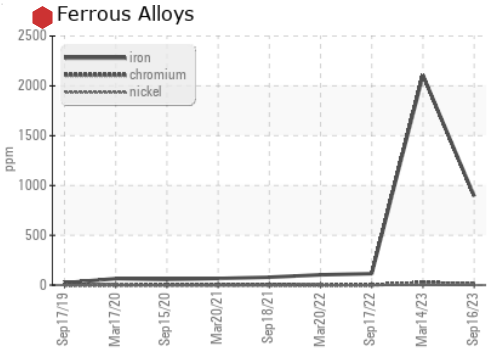


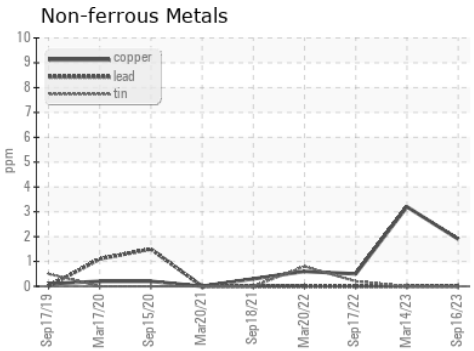
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	**212**	212	211

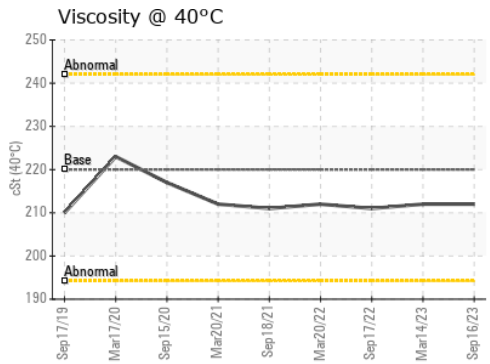
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS







Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0848823 **Received** : 26 Sep 2023
Lab Number : 05961541 **Diagnosed** : 28 Sep 2023
Unique Number : 10662754 **Diagnostician** : Don Baldridge
Test Package : IND 1 (Additional Tests: KF)

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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