

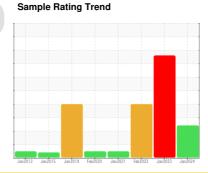
# **OIL ANALYSIS REPORT**

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Area [603803468 SDR]
Machine Id L-3 CMB MET PMP (S/N 20048491)
Component

Gearbox

ISO 320 (--- GAL)





#### DIAGNOSIS

#### Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

## Wear

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

#### Contamination

Elemental level of silicon (Si) above normal.

## **Fluid Condition**

The AN level is acceptable for this fluid.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0854107	WC0562086	WC0605400
Sample Date		Client Info		13 Jan 2024	21 Jan 2023	05 Feb 2022
Machine Age	mls	Client Info		0	0	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	SEVERE	ABNORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<u>^</u> 291	823	<b>△</b> 379
Chromium	ppm	ASTM D5185m	>15	3	2	4
Nickel	ppm	ASTM D5185m	>15	<1	1	<1
Titanium	ppm	ASTM D5185m		4	2	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m		3	4	3
Lead	ppm	ASTM D5185m	>100	1	3	<1
Copper	ppm	ASTM D5185m	>200	<1	6	<1
Tin	ppm	ASTM D5185m	>25	<1	<1	<1
Antimony	ppm	ASTM D5185m	>5			<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		16	34	1
Barium	ppm	ASTM D5185m		0	1	<1
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		2	12	3
Magnesium	ppm	ASTM D5185m		8	9	4
Calcium	ppm	ASTM D5185m		1363	1727	<b>▲</b> 415
Phosphorus	ppm	ASTM D5185m		240	268	190
Zinc	ppm	ASTM D5185m		305	396	<b>1</b> 16
Sulfur	ppm	ASTM D5185m		1840	2097	<b>▲</b> 1444
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>106</b>	<b>9</b> 2	<b>△</b> 310
Sodium	ppm	ASTM D5185m		4	3	15
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.66

Acid Number (AN)

mg KOH/g ASTM D8045

0.58

0.535



## OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

Test Package

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0854107 Recieved : 06064431 Diagnosed Diagnostician

: 10835813 : IND 2

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)

: 18 Jan 2024

: 21 Jan 2024

: Don Baldridge

MARS CHOCOLATE

2019 NORTH OAK PARK CHICAGO, IL US 60707

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