

## **OIL ANALYSIS REPORT**

# Area [603954459 SDR] K CHOC AMF PMP (S/N 20061087) Gearbox

Fluid

GEAR OIL ISO 320 (--- GAL)

### DIAGNOSIS

### Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

## 🔺 Wear

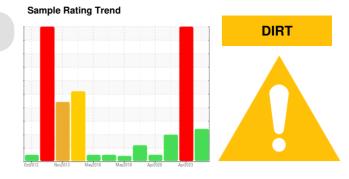
The iron level has decreased, but is still abnormal. Gear wear is indicated.

### Contamination

Elemental level of silicon (Si) above normal.

#### Fluid Condition

The AN level is acceptable for this fluid.



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0854581	WC0605753	WC0605214
Sample Date		Client Info		06 Apr 2024	22 Apr 2023	17 Apr 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	N	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	447	<b>1</b> 2182	144
Chromium	ppm	ASTM D5185m	>15	<u> </u>	▲ 69	5
Nickel	ppm	ASTM D5185m	>15	14	<b>2</b> 6	2
Titanium	ppm	ASTM D5185m		1	5	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	5	123	8
Lead	ppm	ASTM D5185m	>100	0	<1	0
Copper	ppm	ASTM D5185m	>200	4	2	<1
Tin	ppm	ASTM D5185m	>25	<1	0	0
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	0	8	2
Barium	ppm	ASTM D5185m	15	<1	0	0
Molybdenum	ppm	ASTM D5185m	15	3	<b>A</b> 73	4
Manganese	ppm	ASTM D5185m		7	19	1
Magnesium	ppm	ASTM D5185m	50	10	<u> </u>	7
Calcium	ppm	ASTM D5185m	50	258	<b>12001</b>	1169
Phosphorus	ppm	ASTM D5185m	350	267	<b>1</b> 009	278
Zinc	ppm	ASTM D5185m	100	122	<b>1</b> 1585	1407
Sulfur	ppm	ASTM D5185m	12500	2302	9481	1976
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>^</b> 78	<b>2</b> 51	11
Sodium	ppm	ASTM D5185m		11	51	3
Potassium	ppm	ASTM D5185m	>20	4	10	<1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.41	1.535	0.66

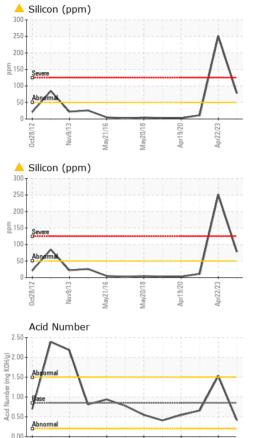


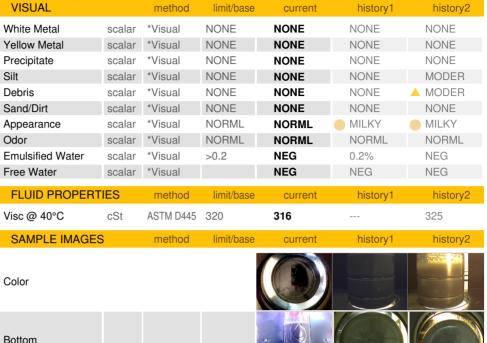
70

60

<u>ှ</u> 500

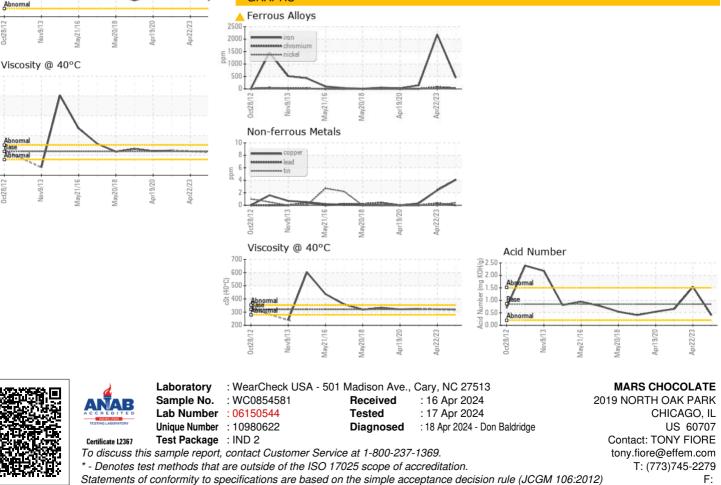
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Contact/Location: TONY FIORE - MARSCHI