

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

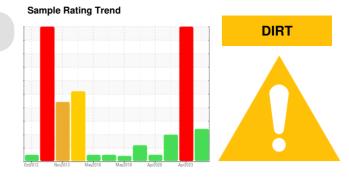
The iron level has decreased, but is still abnormal. Gear wear is indicated.

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	1 2182	144
Chromium	ppm	ASTM D5185m	>15	<u> </u>	▲ 69	5
Nickel	ppm	ASTM D5185m	>15	14	2 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	A 73	4
Manganese	ppm	ASTM D5185m		7	19	1
Magnesium	ppm	ASTM D5185m	50	10	<u> </u>	7
Calcium	ppm	ASTM D5185m	50	258	12001	1169
Phosphorus	ppm	ASTM D5185m	350	267	1 009	278
Zinc	ppm	ASTM D5185m	100	122	1 1585	1407
Sulfur	ppm	ASTM D5185m	12500	2302	9481	1976
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	^ 78	2 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

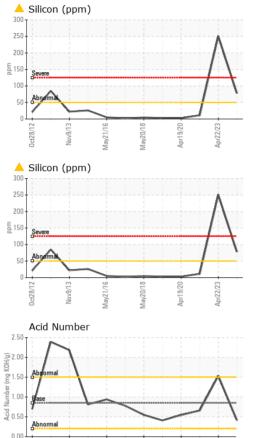


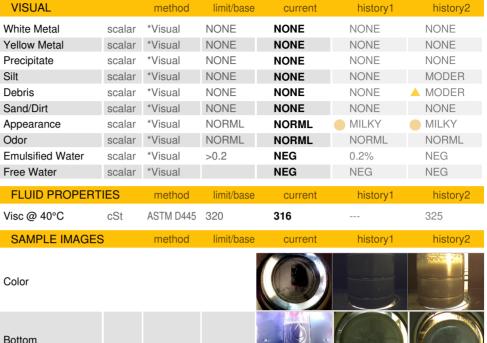
70

60

<u>ှ</u> 500

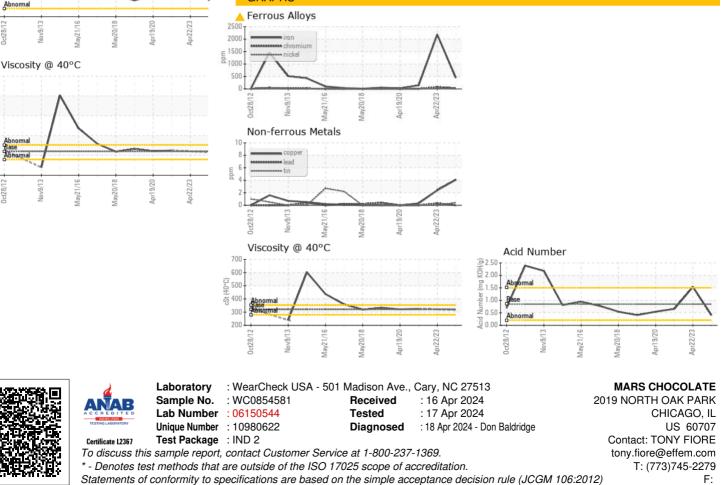
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Bottom





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