

OIL ANALYSIS REPORT

Potassium

ppm

ASTM D5185m >20

[603963802 SR] FRISSA 5 MD (S/N 20060624)

Component Gearbox Fluic

GEAR OIL ISO 460 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

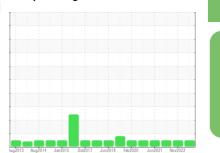
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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



Sample Rating Trend



NORMAL

SAMPLE INFORMATION method WC0562260 WC0562280 Client Info WC0562035 Sample Number 11 Nov 2022 23 Sep 2021 Sample Date Client Info 28 Jul 2023 0 0 0 Machine Age mls **Client Info** Oil Age mls Client Info 0 0 0 Oil Changed **Client Info** Not Changd Not Changd Not Changd NORMAL NORMAL Sample Status NORMAL WEAR METALS 7 ASTM D5185m >200 3 1 Iron ppm 0 Chromium ppm ASTM D5185m >15 0 <1 0 Nickel ppm ASTM D5185m >15 0 0 Titanium ASTM D5185m 0 0 0 ppm 0 0 Silver ppm ASTM D5185m 0 Aluminum ASTM D5185m >25 0 0 ppm <1 Lead ASTM D5185m >100 0 0 0 ppm ASTM D5185m >200 0 Copper <1 ppm <1 Tin ppm ASTM D5185m >25 0 0 0 Antimony ASTM D5185m >5 0 ppm ---Vanadium ppm ASTM D5185m 0 0 0 Cadmium ASTM D5185m 0 0 0 ppm

Boron	ppm	ASTM D5185m	50	0	0	<1
Barium	ppm	ASTM D5185m	15	0	0	0
Molybdenum	ppm	ASTM D5185m	15	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	50	<1	0	<1
Calcium	ppm	ASTM D5185m	50	70	66	237
Phosphorus	ppm	ASTM D5185m	350	120	122	129
Zinc	ppm	ASTM D5185m	100	15	13	41
Sulfur	ppm	ASTM D5185m	12500	2021	2174	1711
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	<1	1
Sodium	mag	ASTM D5185m		0	0	0

0

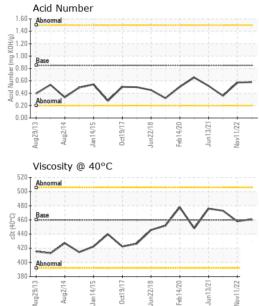
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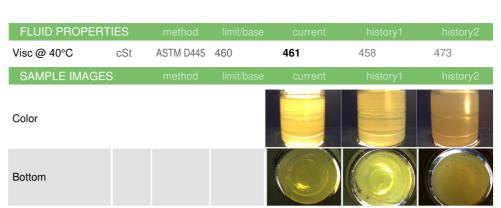
FLUID DEGRADATION		method				history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.58	0.57	0.358
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*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	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	tionNECNY FIO	RE NMAGERSCHI

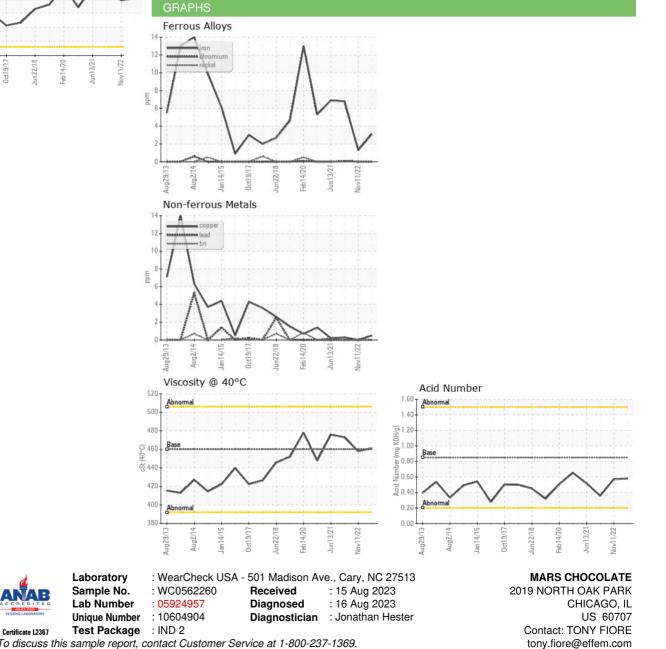
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To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F:

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