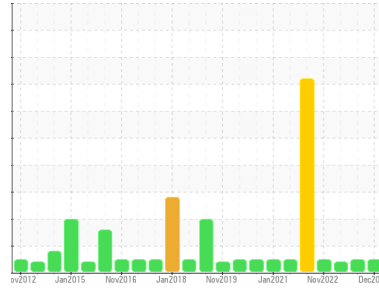




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[603795750 SDR]
 Machine Id
L-3 COOKED SYR DC (S/N 20048214)
 Component
Gearbox
 Fluid
GEAR OIL (PAG) ISO 320 (--- 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

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0854234	WC0562268	WC0605186
Sample Date	Client Info	30 Dec 2023	22 Oct 2023	15 Jan 2023
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		NORMAL	NORMAL	ATTENTION

CONTAMINATION

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	74	7	2
Chromium	ppm ASTM D5185m >15	<1	0	0
Nickel	ppm ASTM D5185m >15	0	0	0
Titanium	ppm ASTM D5185m	<1	0	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	7	0	0
Lead	ppm ASTM D5185m >100	<1	0	<1
Copper	ppm ASTM D5185m >200	2	0	<1
Tin	ppm ASTM D5185m >25	<1	0	<1
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 5	4	0	0
Barium	ppm ASTM D5185m 5	0	0	0
Molybdenum	ppm ASTM D5185m 5	0	0	0
Manganese	ppm ASTM D5185m	2	<1	0
Magnesium	ppm ASTM D5185m 5	7	0	<1
Calcium	ppm ASTM D5185m 5	1157	0	3
Phosphorus	ppm ASTM D5185m 775	280	148	243
Zinc	ppm ASTM D5185m 5	582	0	5
Sulfur	ppm ASTM D5185m 2000	1964	1919	2184

CONTAMINANTS

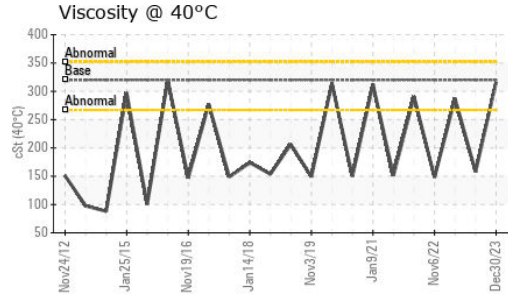
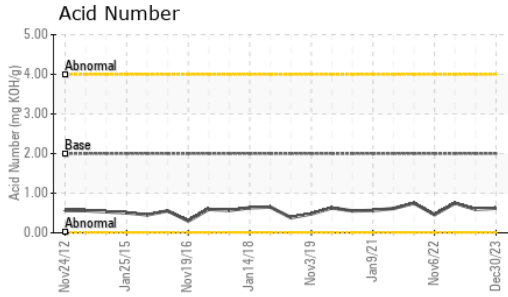
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	23	2	6
Sodium	ppm ASTM D5185m	31	0	<1
Potassium	ppm ASTM D5185m >20	7	0	<1

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 2.00	0.62	0.59	0.75



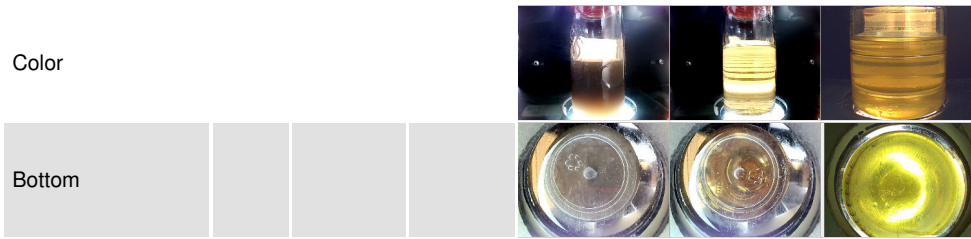
OIL ANALYSIS REPORT



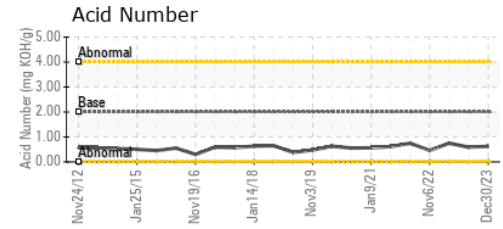
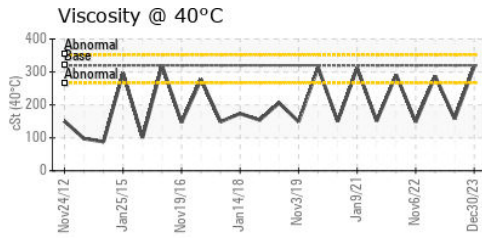
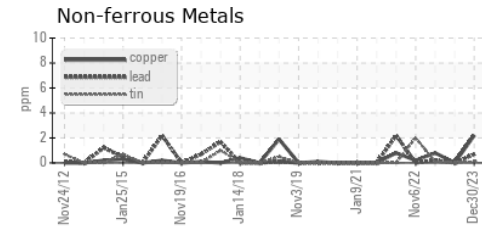
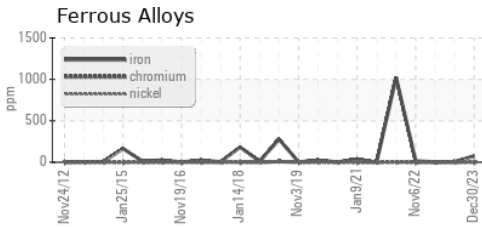
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 320	316	158	▲ 287.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0854234 **Recieved** : 18 Jan 2024
Lab Number : **06064461** **Diagnosed** : 21 Jan 2024
Unique Number : 10835843 **Diagnostician** : Don Baldrige
Test Package : IND 2

MARS CHOCOLATE
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 CHICAGO, IL
 US 60707
 Contact: TONY FIORE
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 F:

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)