



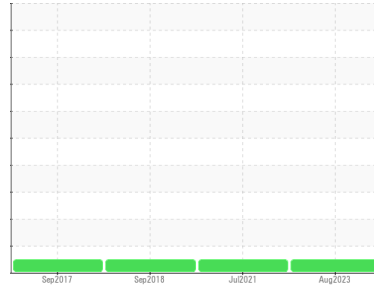
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[603575781 SDR]
 Machine Id
L-3 MILK MIX PMP RED (S/N 20048455)
 Component
Gearbox
 Fluid
GEAR OIL ISO 150 (--- 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 INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0562240	WC0562172	WCI2323786
Sample Date	Client Info	12 Aug 2023	31 Jul 2021	15 Sep 2018
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	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	<1	2	<1
Chromium	ppm ASTM D5185m >15	0	0	0
Nickel	ppm ASTM D5185m >15	0	<1	0
Titanium	ppm ASTM D5185m	0	0	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	0	0	<1
Lead	ppm ASTM D5185m >100	0	0	0
Copper	ppm ASTM D5185m >200	0	0	0
Tin	ppm ASTM D5185m >25	0	<1	0
Antimony	ppm ASTM D5185m >5	---	0	0
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 50	0	2	0
Barium	ppm ASTM D5185m 15	0	0	0
Molybdenum	ppm ASTM D5185m 15	0	0	<1
Manganese	ppm ASTM D5185m	0	0	<1
Magnesium	ppm ASTM D5185m 50	0	0	0
Calcium	ppm ASTM D5185m 50	0	3	0
Phosphorus	ppm ASTM D5185m 350	209	217	305
Zinc	ppm ASTM D5185m 100	0	0	<1
Sulfur	ppm ASTM D5185m 12500	1594	1782	339

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	5	4	<1
Sodium	ppm ASTM D5185m	0	<1	0
Potassium	ppm ASTM D5185m >20	0	<1	<1

FLUID DEGRADATION

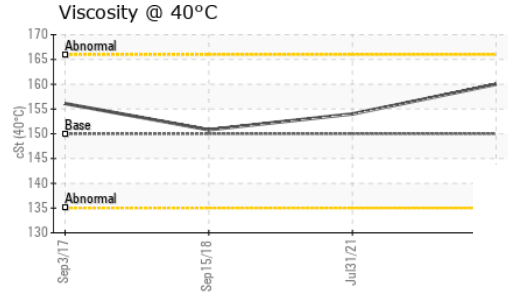
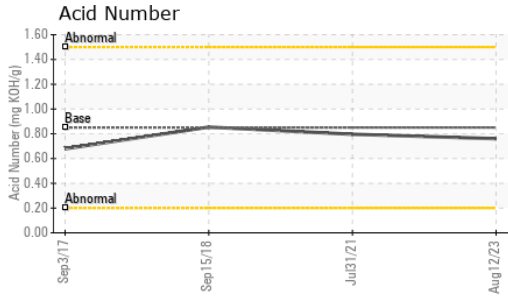
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.85	0.76	0.796	0.854

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	NONE	NONE
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	NEG	NEG

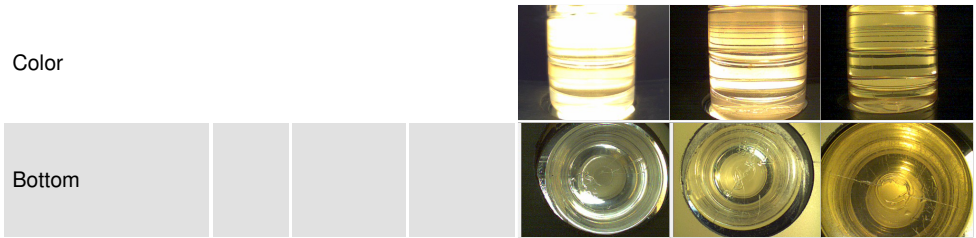


OIL ANALYSIS REPORT

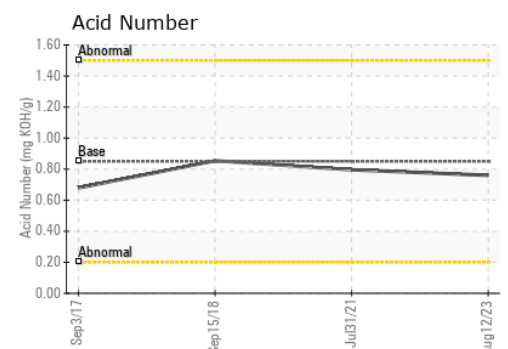
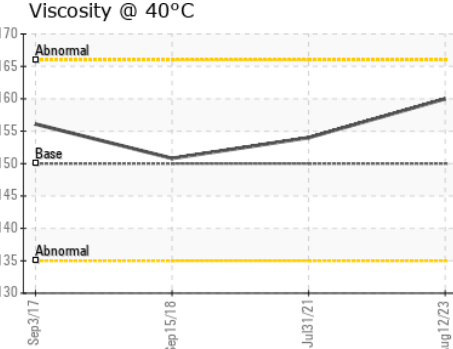
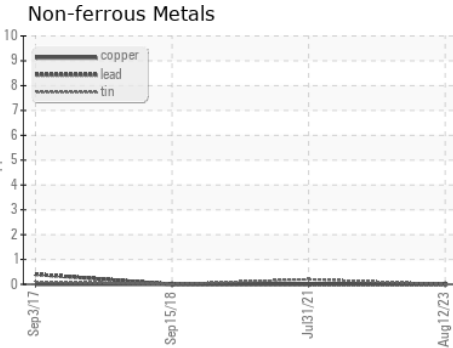
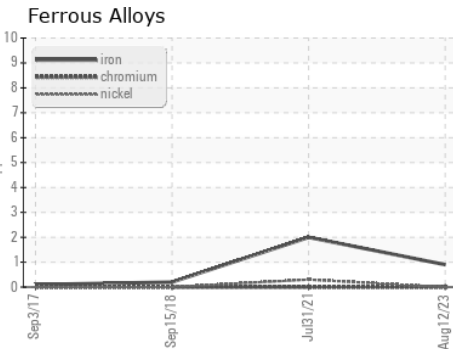


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	160	154	150.8

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0562240 **Received** : 15 Aug 2023
Lab Number : 05924951 **Diagnosed** : 16 Aug 2023
Unique Number : 10604898 **Diagnostician** : Jonathan Hester
Test Package : IND 2

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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)