



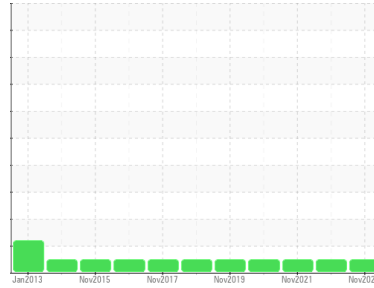
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[603703423 SDR]
 Machine Id
L-3 MILK METER REDUCER (S/N 20048457)
 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	WC0562370	WC0562504	WC0562386
Sample Date	Client Info	02 Nov 2023	25 Nov 2022	07 Nov 2021
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	19	0	1
Chromium	ppm ASTM D5185m >15	0	0	0
Nickel	ppm ASTM D5185m >15	0	0	0
Titanium	ppm ASTM D5185m	0	0	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	0	<1	0
Lead	ppm ASTM D5185m >100	0	0	0
Copper	ppm ASTM D5185m >200	0	0	0
Tin	ppm ASTM D5185m >25	<1	0	0
Antimony	ppm ASTM D5185m >5	---	---	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	0	0
Barium	ppm ASTM D5185m 15	0	0	0
Molybdenum	ppm ASTM D5185m 15	0	0	0
Manganese	ppm ASTM D5185m	<1	0	0
Magnesium	ppm ASTM D5185m 50	0	<1	0
Calcium	ppm ASTM D5185m 50	36	0	0
Phosphorus	ppm ASTM D5185m 350	267	202	374
Zinc	ppm ASTM D5185m 100	10	0	0
Sulfur	ppm ASTM D5185m 12500	1277	1502	952

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	2	5	0
Sodium	ppm ASTM D5185m	0	0	0
Potassium	ppm ASTM D5185m >20	0	1	0

FLUID DEGRADATION

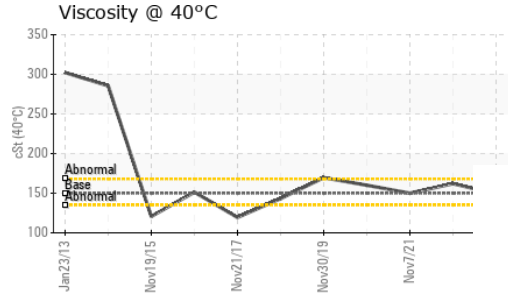
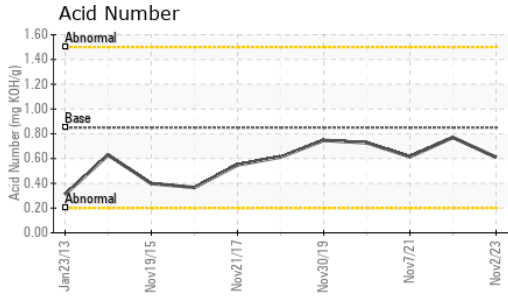
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.85	0.61	0.77	0.614

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	VLITE
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

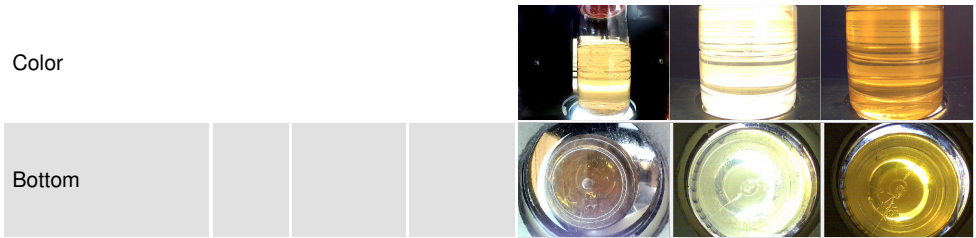


OIL ANALYSIS REPORT

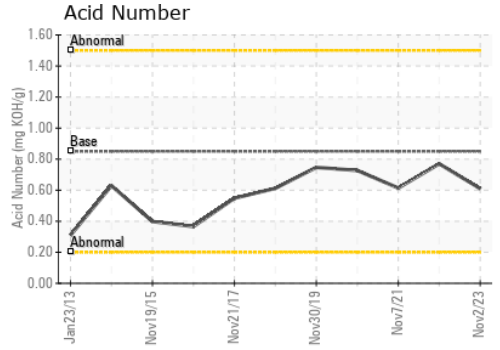
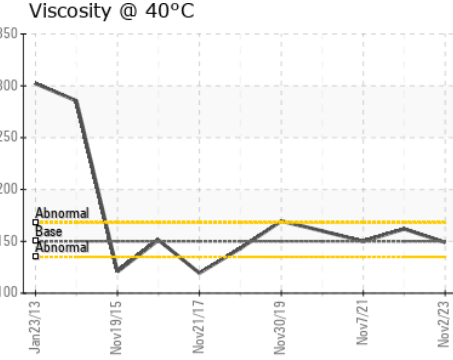
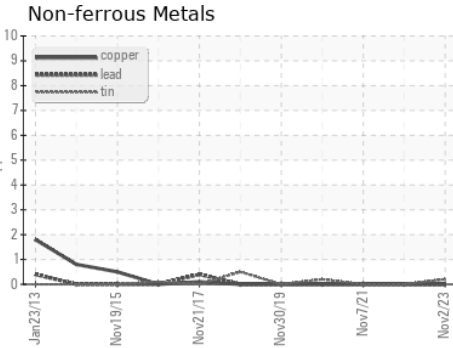
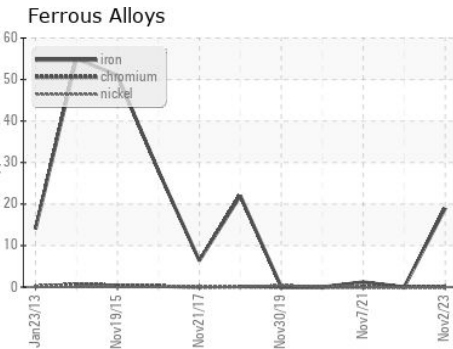


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	150	149	162	150

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0562370 **Received** : 15 Nov 2023
Lab Number : 06008473 **Diagnosed** : 17 Nov 2023
Unique Number : 10742235 **Diagnostician** : Don Baldrige
Test Package : IND 2

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Certificate L2367
 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)