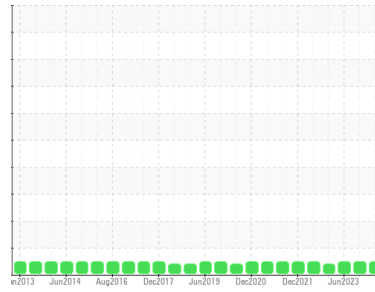




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[604346602 SDR]
 Machine Id
5 SLATE CONV PRI (S/N 20058869)
 Component
Gearbox
 Fluid
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 component.

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	WC0854538	WC0854524	WC0605470
Sample Date	Client Info	07 Jun 2024	22 Dec 2023	16 Jun 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	Changed	Changed	Not Changed
Sample Status		NORMAL	NORMAL	NORMAL

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	13	13	2
Chromium	ppm ASTM D5185m >15	0	0	0
Nickel	ppm ASTM D5185m >15	<1	0	0
Titanium	ppm ASTM D5185m	0	0	<1
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	<1	0	2
Lead	ppm ASTM D5185m >100	0	0	0
Copper	ppm ASTM D5185m >200	3	<1	<1
Tin	ppm ASTM D5185m >25	0	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	4	2	4
Barium	ppm ASTM D5185m 15	5	4	0
Molybdenum	ppm ASTM D5185m 15	0	0	0
Manganese	ppm ASTM D5185m	<1	0	0
Magnesium	ppm ASTM D5185m 50	<1	0	<1
Calcium	ppm ASTM D5185m 50	2	3	5
Phosphorus	ppm ASTM D5185m 350	176	172	295
Zinc	ppm ASTM D5185m 100	2	0	3
Sulfur	ppm ASTM D5185m 12500	2388	1798	1563

CONTAMINANTS

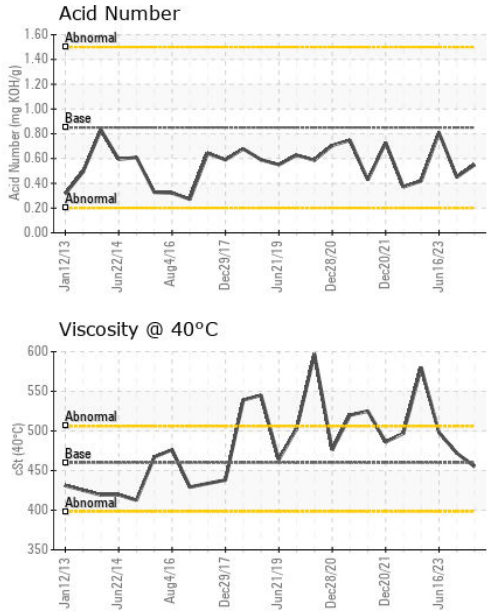
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	3	1	16
Sodium	ppm ASTM D5185m	2	<1	0
Potassium	ppm ASTM D5185m >20	4	2	3

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.85	0.55	0.45	0.81



OIL ANALYSIS REPORT

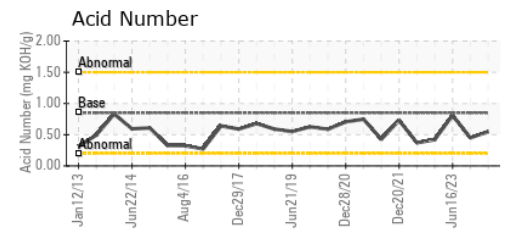
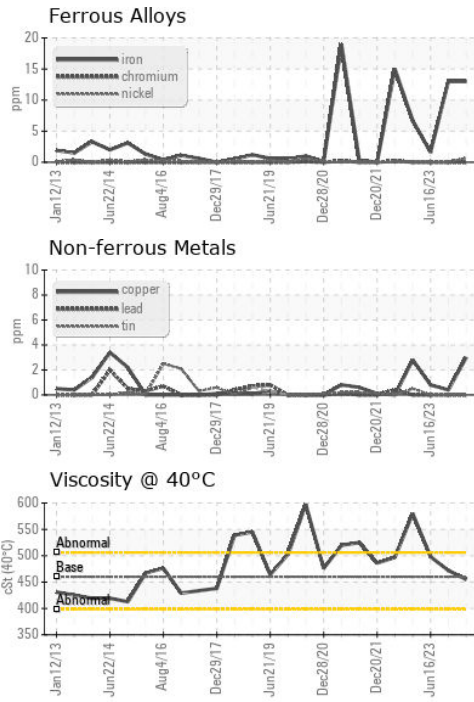


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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 460	455	472	498

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0854538 **Received** : 17 Jun 2024
Lab Number : **06211893** **Tested** : 18 Jun 2024
Unique Number : 11084757 **Diagnosed** : 19 Jun 2024 - Don Baldrige
Test Package : IND 2

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 CHICAGO, IL
 US 60707
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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)