



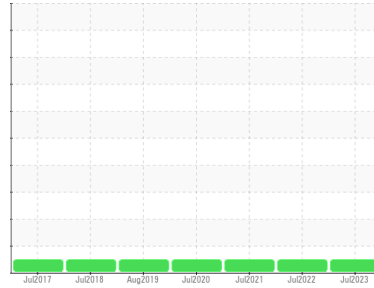
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[603521934 SDR]**  
 Machine Id  
**CHOC RECV PMP RED (S/N 20062078)**  
 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	<b>WC0562347</b>	WC0562431	WC0562327
Sample Date	Client Info	<b>15 Jul 2023</b>	17 Jul 2022	30 Jul 2021
Machine Age	hrs Client Info	<b>0</b>	0	0
Oil Age	hrs Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>Changed</b>	Changed	Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	<b>8</b>	10	30
Chromium	ppm ASTM D5185m >15	<b>0</b>	0	<1
Nickel	ppm ASTM D5185m >15	<b>0</b>	0	<1
Titanium	ppm ASTM D5185m	<b>0</b>	0	0
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >25	<b>&lt;1</b>	0	0
Lead	ppm ASTM D5185m >100	<b>0</b>	0	<1
Copper	ppm ASTM D5185m >200	<b>0</b>	0	<1
Tin	ppm ASTM D5185m >25	<b>0</b>	0	<1
Antimony	ppm ASTM D5185m >5	<b>---</b>	---	0
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 50	<b>0</b>	0	2
Barium	ppm ASTM D5185m 15	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 15	<b>0</b>	0	0
Manganese	ppm ASTM D5185m	<b>0</b>	<1	<1
Magnesium	ppm ASTM D5185m 50	<b>&lt;1</b>	<1	0
Calcium	ppm ASTM D5185m 50	<b>0</b>	<1	<1
Phosphorus	ppm ASTM D5185m 350	<b>932</b>	325	361
Zinc	ppm ASTM D5185m 100	<b>0</b>	6	2
Sulfur	ppm ASTM D5185m 12500	<b>20</b>	1434	1722

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	<b>13</b>	<1	2
Sodium	ppm ASTM D5185m	<b>0</b>	0	2
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	0	<1

## FLUID DEGRADATION

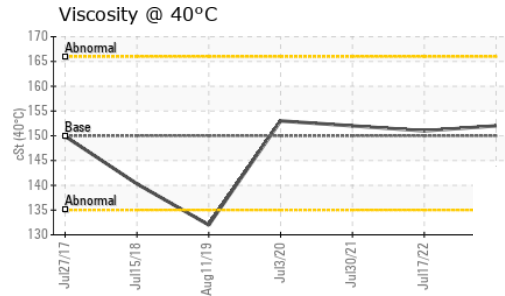
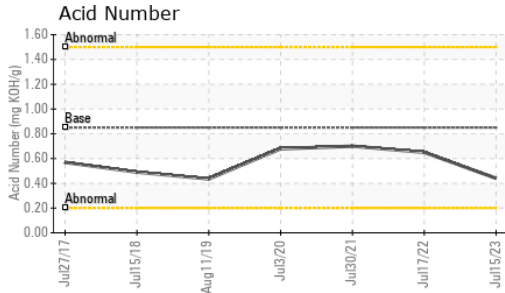
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.85	<b>0.44</b>	0.65	0.700

## VISUAL

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



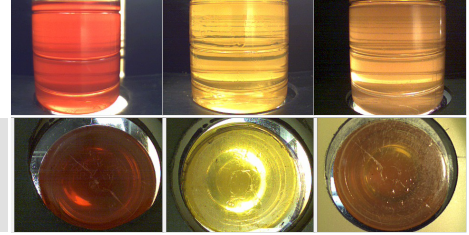
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	<b>152</b>	151	152

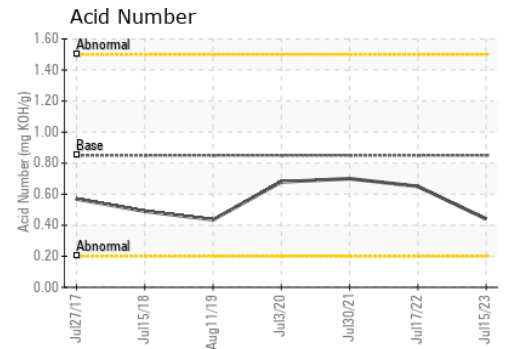
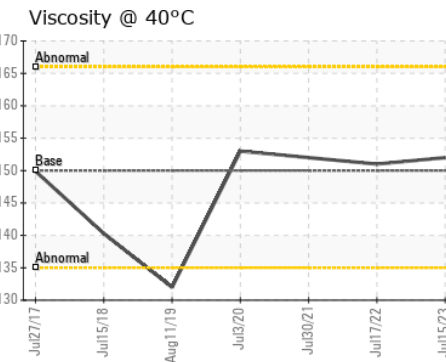
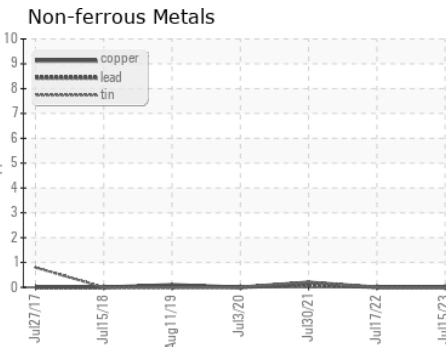
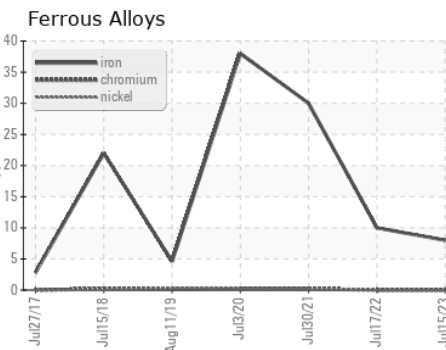
SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color



Bottom

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0562347 **Received** : 15 Aug 2023  
**Lab Number** : **05924958** **Diagnosed** : 16 Aug 2023  
**Unique Number** : 10604905 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

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)

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