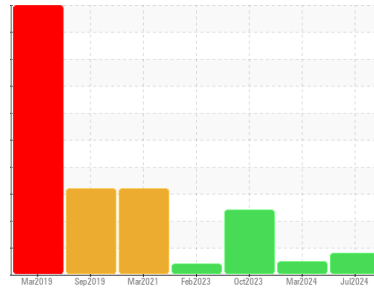




# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id

**DR-101**

Component

**Left Final Drive**

Fluid

**GEAR OIL SAE 80W90 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### ▲ Wear

The aluminum level is abnormal. All other component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0909536</b>	WC0909389	WC0705213
Sample Date	Client Info		<b>01 Jul 2024</b>	01 Mar 2024	18 Oct 2023
Machine Age	hrs	Client Info	<b>2409</b>	2214	1965
Oil Age	hrs	Client Info	<b>0</b>	0	1965
Oil Changed	Client Info		<b>N/A</b>	N/A	Not Changd
Sample Status			<b>ABNORMAL</b>	NORMAL	ABNORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>500	<b>239</b>	382	325
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	4	3
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>4</b>	2	1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>▲ 34</b>	17	● 16
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	1	1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	400	<b>6</b>	21	11
Barium	ppm	ASTM D5185m	200	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>3</b>	4	4
Magnesium	ppm	ASTM D5185m	12	<b>0</b>	2	0
Calcium	ppm	ASTM D5185m	150	<b>0</b>	114	0
Phosphorus	ppm	ASTM D5185m	1650	<b>384</b>	494	346
Zinc	ppm	ASTM D5185m	125	<b>0</b>	45	0
Sulfur	ppm	ASTM D5185m	22500	<b>19598</b>	21733	18248

## CONTAMINANTS

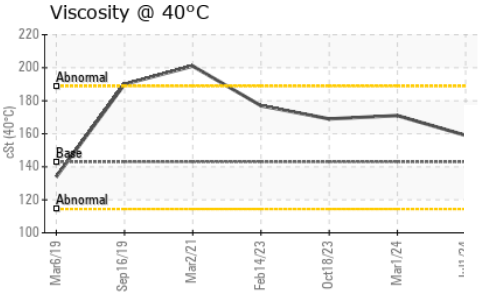
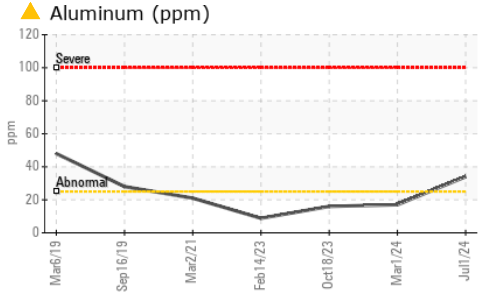
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>75	<b>73</b>	68	▲ 86
Sodium	ppm	ASTM D5185m	>170	<b>3</b>	5	4
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	5	6

## 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	NONE
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

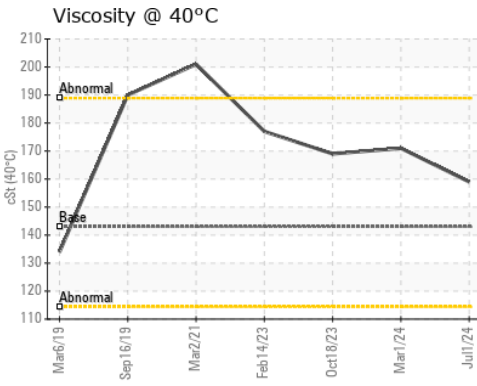
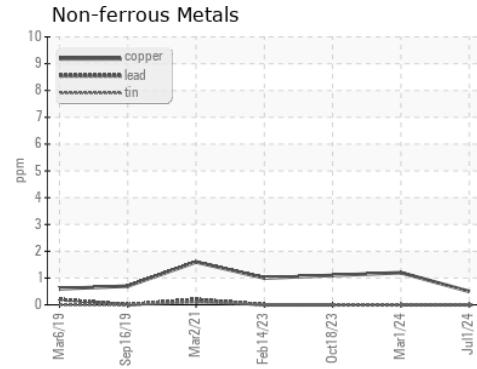
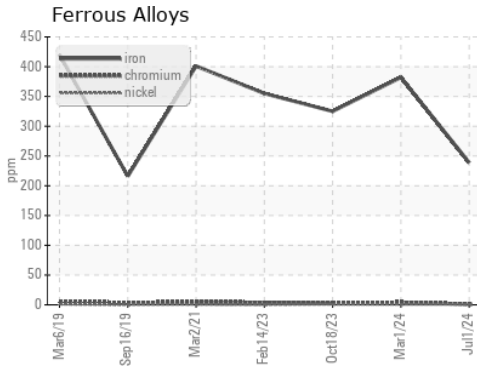


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	143	<b>159</b>	171	169

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			no image	no image	no image
Bottom			no image	no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0909536      **Received** : 15 Jul 2024  
**Lab Number** : **06236630**      **Tested** : 16 Jul 2024  
**Unique Number** : 11125464      **Diagnosed** : 17 Jul 2024 - Don Baldrige  
**Test Package** : FLEET

**E.C. PACE CO.**  
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 US 24012  
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 ESECO@ECPACE.COM  
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 F: (540)343-6909

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)