



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**DWGCWLECAM1010122**  
 Component  
**Rear Differential**  
 Fluid  
**SHELL UTTO (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0890780</b>	WC0852013	---
Sample Date		Client Info		<b>09 May 2024</b>	11 Oct 2023	---
Machine Age	hrs	Client Info		<b>3000</b>	2026	---
Oil Age	hrs	Client Info		<b>1500</b>	500	---
Filter Age	hrs	Client Info		<b>0</b>	500	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	<b>291</b>	197	---
Chromium	ppm	ASTM D5185(m)	>10	<b>2</b>	1	---
Nickel	ppm	ASTM D5185(m)	>10	<b>5</b>	4	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	1	---
Lead	ppm	ASTM D5185(m)	>25	<b>1</b>	2	---
Copper	ppm	ASTM D5185(m)	>100	<b>90</b>	64	---
Tin	ppm	ASTM D5185(m)	>10	<b>4</b>	2	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	---
Yellow Metal	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	---

## CONTAMINATION

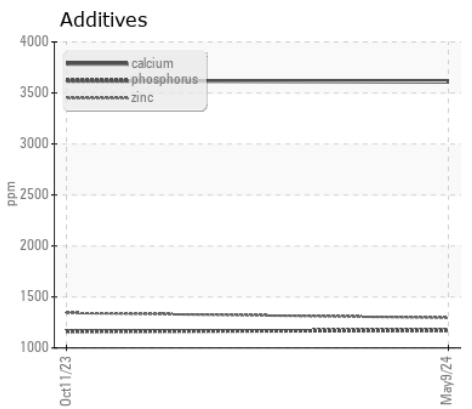
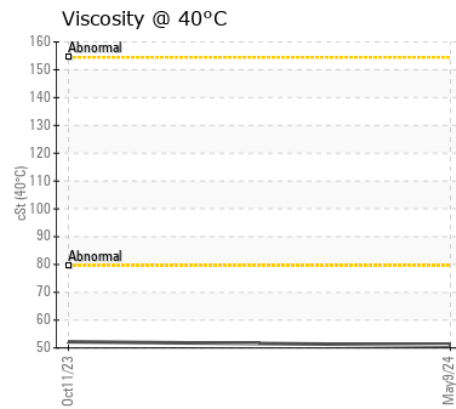
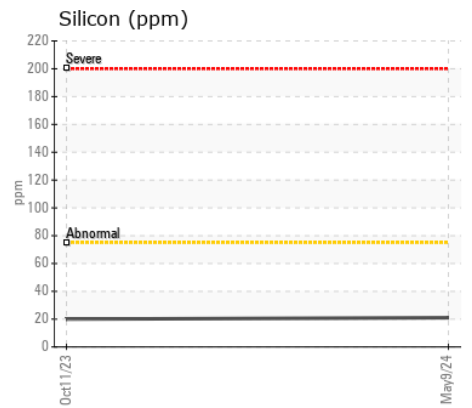
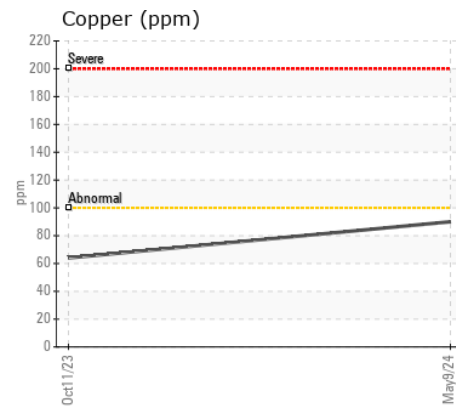
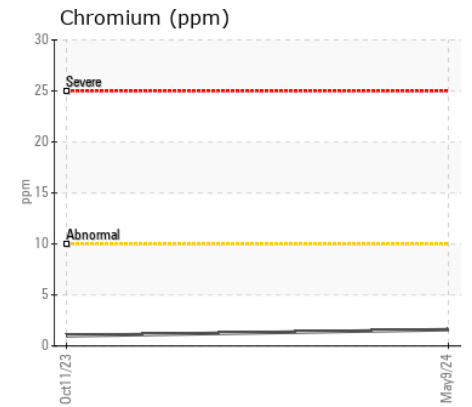
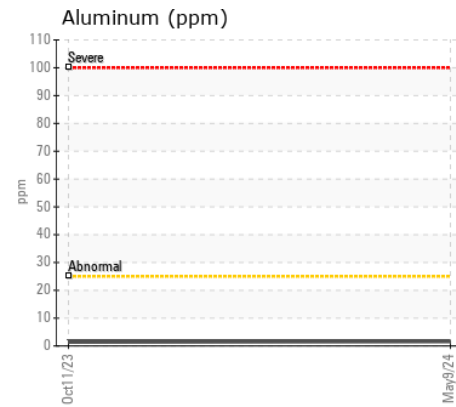
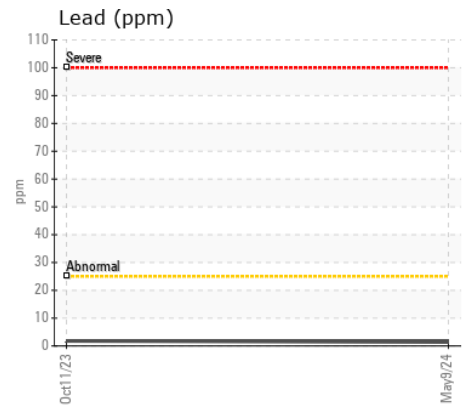
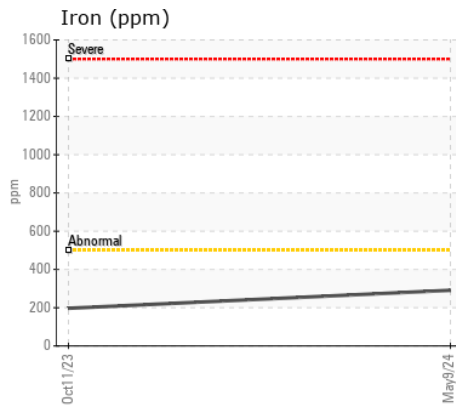
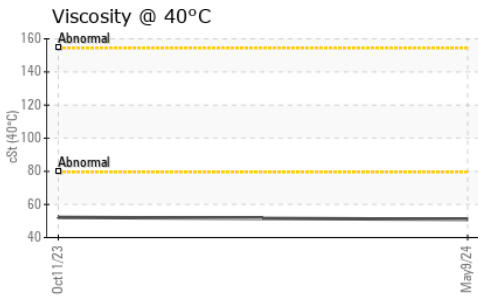
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	<b>21</b>	20	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Water		WC Method	>.2	<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>.2	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>7</b>	7	---
Boron	ppm	ASTM D5185(m)		<b>105</b>	102	---
Barium	ppm	ASTM D5185(m)		<b>2</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185(m)		<b>13</b>	11	---
Magnesium	ppm	ASTM D5185(m)		<b>27</b>	26	---
Calcium	ppm	ASTM D5185(m)		<b>3609</b>	3620	---
Phosphorus	ppm	ASTM D5185(m)		<b>1172</b>	1163	---
Zinc	ppm	ASTM D5185(m)		<b>1295</b>	1343	---
Sulfur	ppm	ASTM D5185(m)		<b>6670</b>	6801	---
Visc @ 40°C	cSt	ASTM D7279(m)		<b>51.0</b>	52.2	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0890780 **Received** : 15 May 2024  
**Lab Number** : 02635817 **Tested** : 15 May 2024  
**Unique Number** : 5776970 **Diagnosed** : 15 May 2024 - Kevin Marson  
**Test Package** : MOB 1

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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.