



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**093106**  
 Component  
**Left Final Drive**  
 Fluid  
**SAE 80W90 (2 LTR)**

## 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

Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. 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>WC105092</b>	---	---
Sample Date	Client Info		<b>12 Jan 2024</b>	---	---
Machine Age	hrs	Client Info	<b>3093</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>645</b>	---	---
Iron	ppm	ASTM D5185(m) >500	<b>560</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>6</b>	---	---
Nickel	ppm	ASTM D5185(m) >10	<b>2</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >25	<b>14</b>	---	---
Lead	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m) >50	<b>4</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

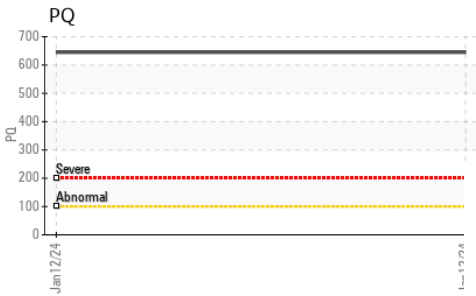
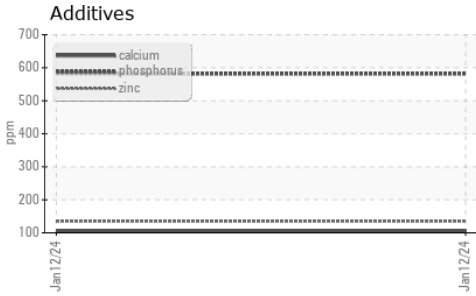
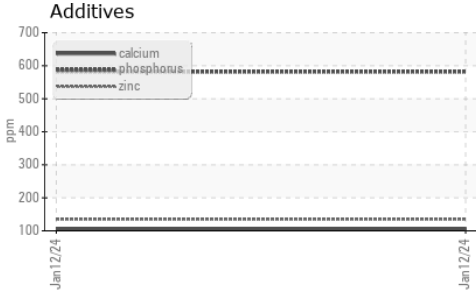
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 200	<b>20</b>	---	---
Barium	ppm	ASTM D5185(m) 0	<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>5</b>	---	---
Magnesium	ppm	ASTM D5185(m) 0	<b>16</b>	---	---
Calcium	ppm	ASTM D5185(m) 20	<b>107</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 1000	<b>582</b>	---	---
Zinc	ppm	ASTM D5185(m) 20	<b>135</b>	---	---
Sulfur	ppm	ASTM D5185(m) 22000	<b>12735</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>74</b>	---	---
Sodium	ppm	ASTM D5185(m) >50	<b>5</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	---	---



# OIL ANALYSIS REPORT



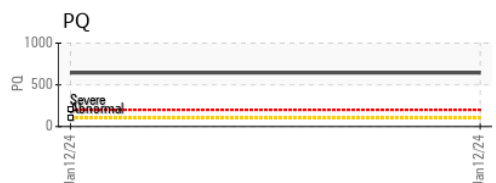
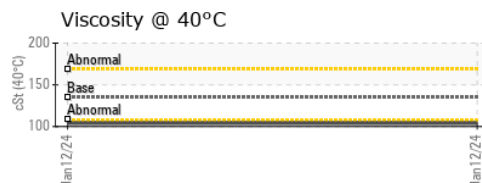
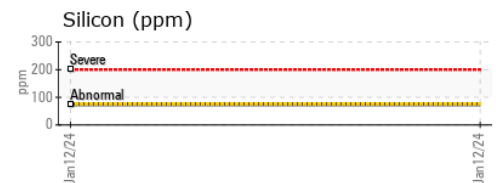
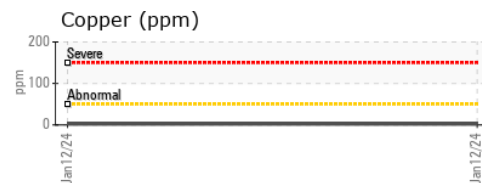
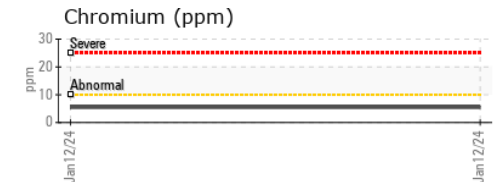
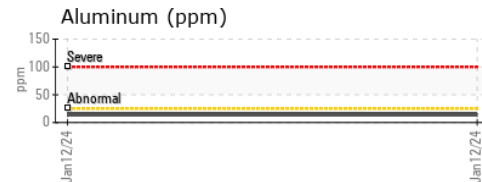
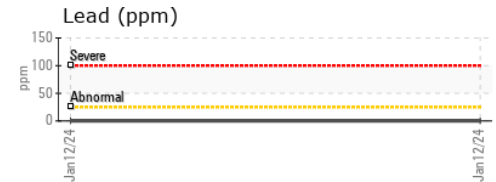
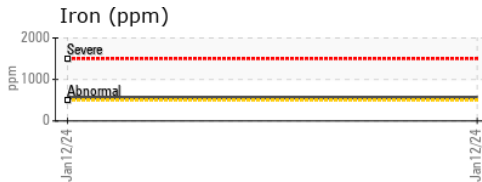
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>LIGHT</b>	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	Visual*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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	135	<b>104</b>	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

Color					no image	no image
Bottom					no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC105092 **Received** : 16 Jan 2024  
**Lab Number** : **02609051** **Tested** : 16 Jan 2024  
**Unique Number** : 5710137 **Diagnosed** : 17 Jan 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ )

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.

**C.G. EQUIPMENT**  
 7367 Wellington Rd. 30, Unit A  
 Guelph, ON  
 CA N0M 2T0  
 Contact: CG Equipment CG Guelph  
 cory@cgequipment.com  
 T: (519)826-0550  
 F: (519)837-2055