



# OIL ANALYSIS REPORT

Sample Rating Trend

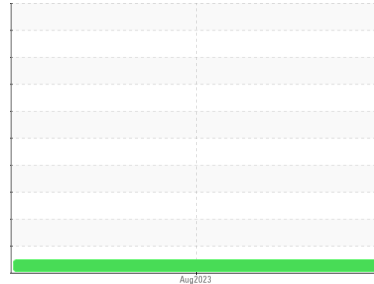
**NORMAL**



Machine Id  
**935310256**

Component  
**Swing Drive**

Fluid  
**GEAR OIL ISO 220 (--- 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 condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0811312</b>	---	---
Sample Date	Client Info		<b>16 Aug 2023</b>	---	---
Machine Age	hrs	Client Info	<b>2000</b>	---	---
Oil Age	hrs	Client Info	<b>1000</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >400	<b>148</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>1</b>	---	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m) >200	<b>4</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<b>&lt;1</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) 50	<b>14</b>	---	---
Barium	ppm	ASTM D5185(m) 15	<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 15	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>4</b>	---	---
Magnesium	ppm	ASTM D5185(m) 50	<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185(m) 50	<b>3</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 350	<b>448</b>	---	---
Zinc	ppm	ASTM D5185(m) 100	<b>14</b>	---	---
Sulfur	ppm	ASTM D5185(m) 12500	<b>5458</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

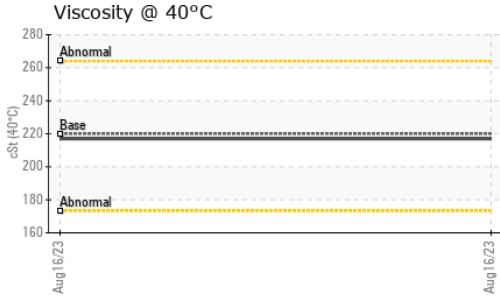
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>2</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---
Silt	scalar	Visual*	NONE	<b>VLITE</b>	---
Debris	scalar	Visual*	NONE	<b>VLITE</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>	---



# OIL ANALYSIS REPORT

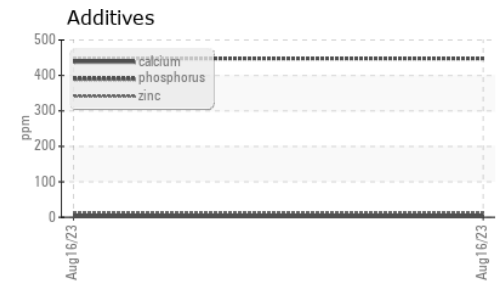
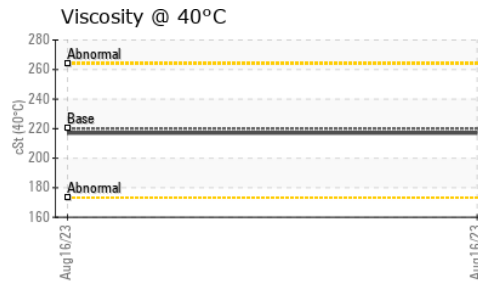
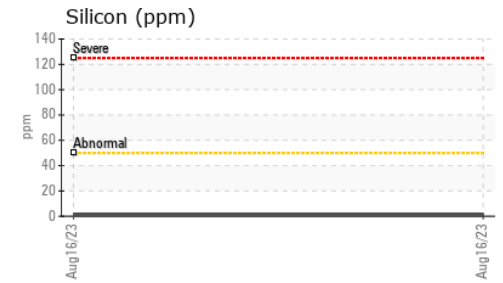
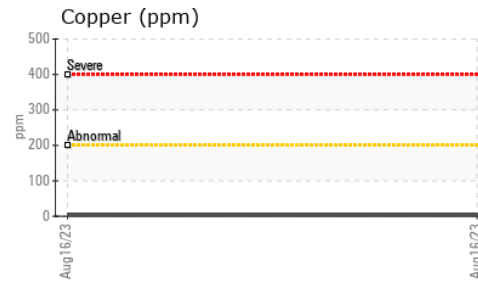
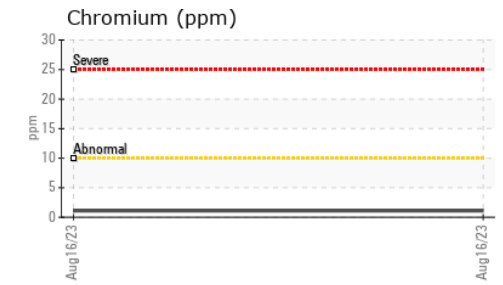
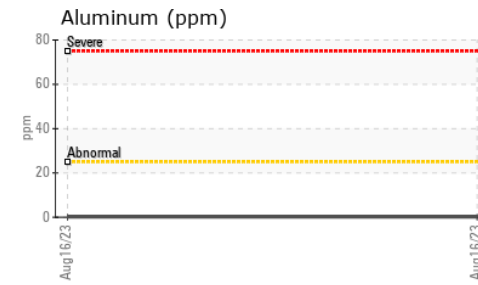
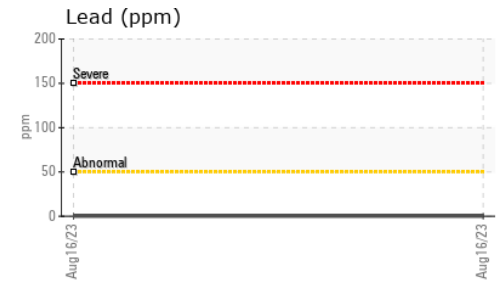
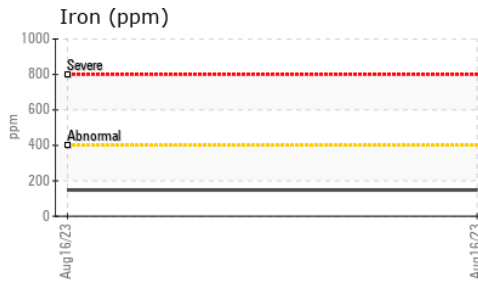


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	217	---	---

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

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0811312 **Received** : 21 Aug 2023  
**Lab Number** : 02577259 **Diagnosed** : 21 Aug 2023  
**Unique Number** : 5630319 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**C.G. EQUIPMENT**  
 7367 Wellington Rd. 30, Unit A  
 Guelph, ON  
 CA N0M 2T0  
 Contact: Maureen McDonald  
 mmcdonald@cgequipment.com

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.

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