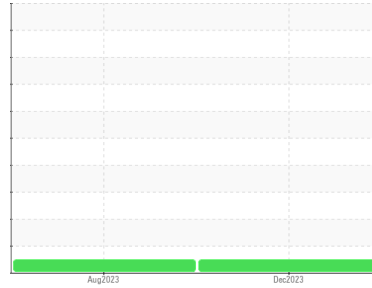




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[100014727]**  
 Machine Id  
**EPIROC ST14 SCP205**  
 Component  
**Front Left Planetary**  
 Fluid  
**GEAR OIL SAE 80W90 (--- 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>WC0885234</b>	WC0835180	---
Sample Date	Client Info		<b>12 Dec 2023</b>	07 Aug 2023	---
Machine Age	hrs	Client Info	<b>2101</b>	903	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Not Changed</b>	N/A	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	<b>113</b>	476	---
Chromium	ppm	ASTM D5185(m) >10	<b>1</b>	5	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	3	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185(m) >25	<b>2</b>	10	---
Lead	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	3	---
Copper	ppm	ASTM D5185(m) >75	<b>17</b>	112	---
Tin	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	2	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

## ADDITIVES

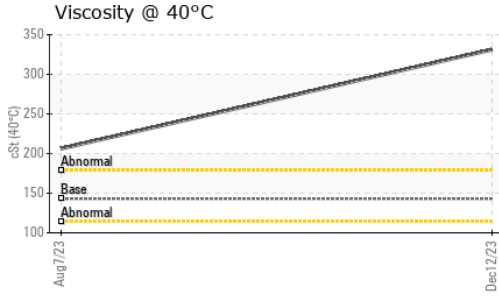
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 400	<b>135</b>	74	---
Barium	ppm	ASTM D5185(m) 200	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m) 12	<b>0</b>	1	---
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	4	---
Magnesium	ppm	ASTM D5185(m) 12	<b>2</b>	12	---
Calcium	ppm	ASTM D5185(m) 150	<b>138</b>	1658	---
Phosphorus	ppm	ASTM D5185(m) 1650	<b>1007</b>	1009	---
Zinc	ppm	ASTM D5185(m) 125	<b>70</b>	694	---
Sulfur	ppm	ASTM D5185(m) 22500	<b>20607</b>	9495	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>14</b>	41	---
Sodium	ppm	ASTM D5185(m) >170	<b>&lt;1</b>	3	---
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	4	---



# OIL ANALYSIS REPORT



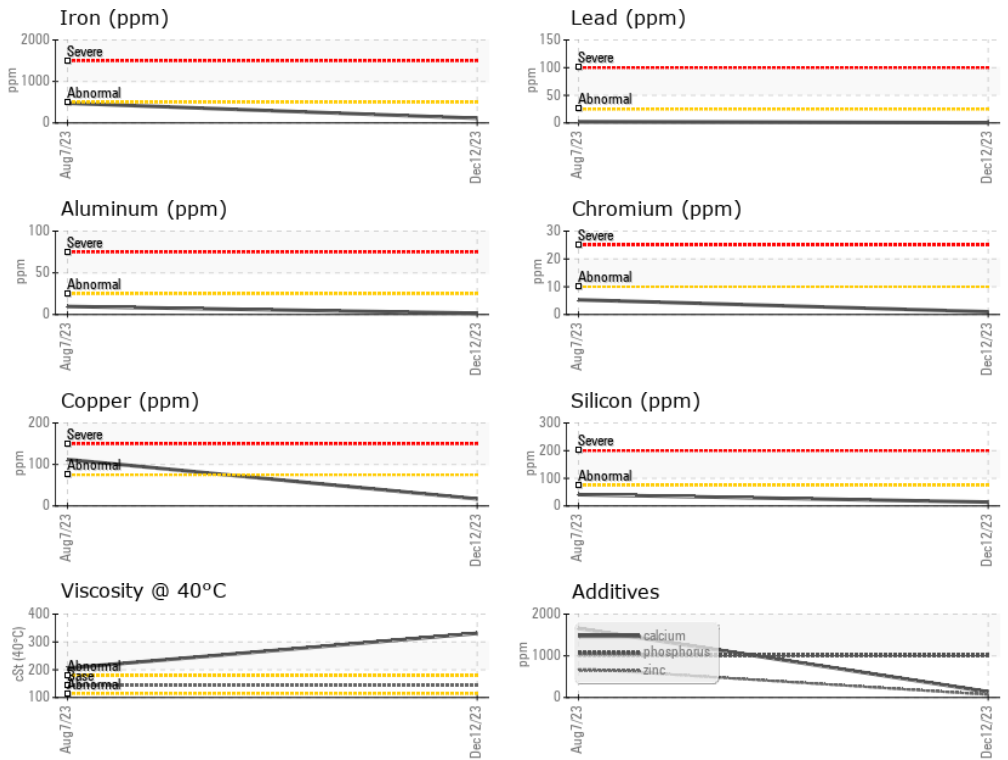
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	143	<b>331</b>	206

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

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0885234  
**Lab Number** : 02603573  
**Unique Number** : 5696658  
**Test Package** : MOB 1

**Agnico Eagle Canada**  
 1350 Government Rd. W, MACASSA COMPLEX  
 Kirkland Lake, ON  
 CA P2N 3J1

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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