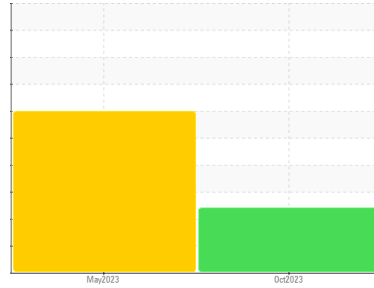




# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**EPIROC ST14 SCP206**  
 Component  
**Front Left Planetary**  
 Fluid  
**SAE 85W140 (--- GAL)**

## DIAGNOSIS

- Recommendation**  
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.
- Wear**  
Aluminum ppm levels are noted. All other component wear rates are normal.
- Contamination**  
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.
- Fluid Condition**  
The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0835194</b>	WC0788003	---
Sample Date	Client Info			<b>10 Oct 2023</b>	26 May 2023	---
Machine Age	hrs	Client Info		<b>611</b>	1091	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>Changed</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	SEVERE	---

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		<b>150</b>	▲ 1013	---
Iron	ppm	ASTM D5185(m)	>500	<b>681</b>	▲ 1238	---
Chromium	ppm	ASTM D5185(m)	>10	<b>6</b>	6	---
Nickel	ppm	ASTM D5185(m)	>10	<b>2</b>	1	---
Titanium	ppm	ASTM D5185(m)		<b>2</b>	2	---
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>25	▲ <b>45</b>	28	---
Lead	ppm	ASTM D5185(m)	>25	<b>3</b>	3	---
Copper	ppm	ASTM D5185(m)	>75	<b>104</b>	95	---
Tin	ppm	ASTM D5185(m)	>10	<b>4</b>	3	---
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

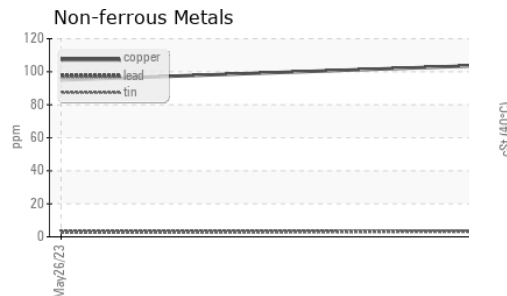
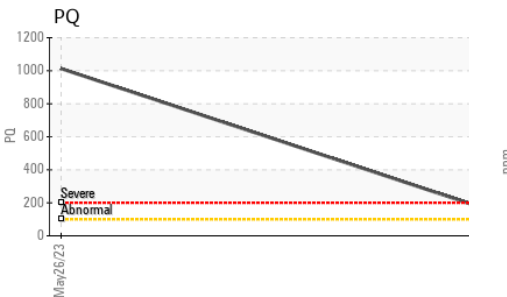
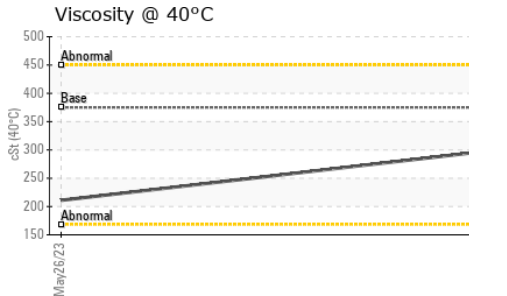
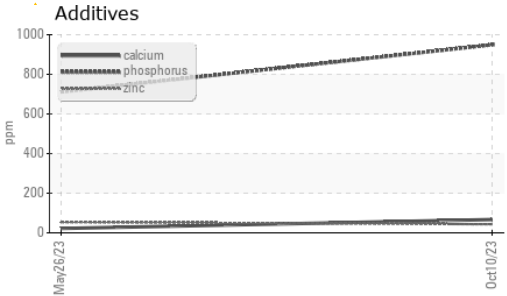
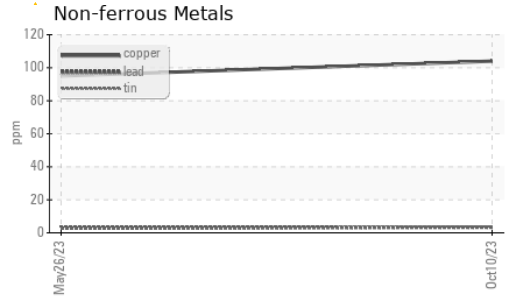
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>193</b>	17	---
Barium	ppm	ASTM D5185(m)		<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185(m)		<b>8</b>	4	---
Magnesium	ppm	ASTM D5185(m)		<b>25</b>	12	---
Calcium	ppm	ASTM D5185(m)		<b>67</b>	22	---
Phosphorus	ppm	ASTM D5185(m)		<b>949</b>	711	---
Zinc	ppm	ASTM D5185(m)		<b>43</b>	54	---
Sulfur	ppm	ASTM D5185(m)		<b>19371</b>	18109	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	▲ <b>161</b>	92	---
Sodium	ppm	ASTM D5185(m)		<b>23</b>	8	---
Potassium	ppm	ASTM D5185(m)	>20	<b>24</b>	10	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
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*	>0.2	<b>NEG</b>	▲ 1%	---
Free Water	scalar	Visual*		<b>NEG</b>	NEG	---



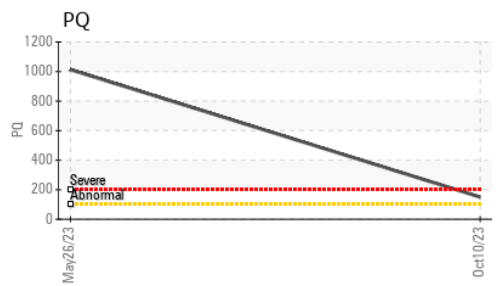
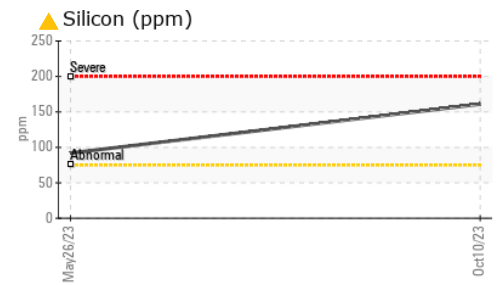
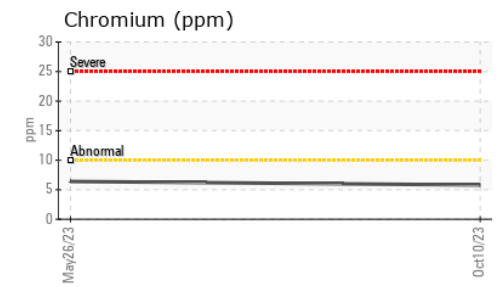
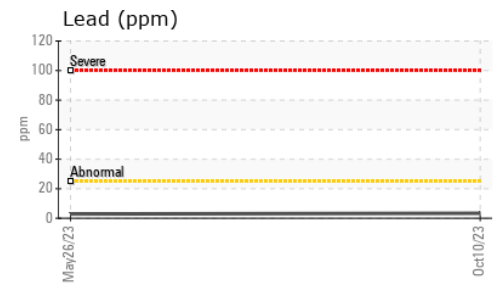
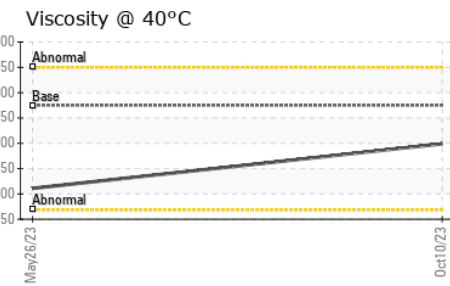
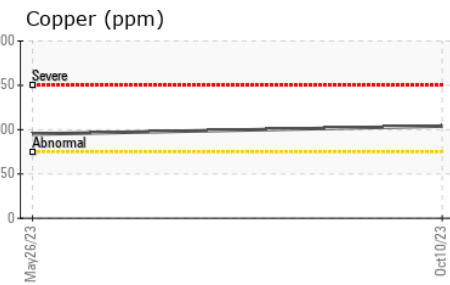
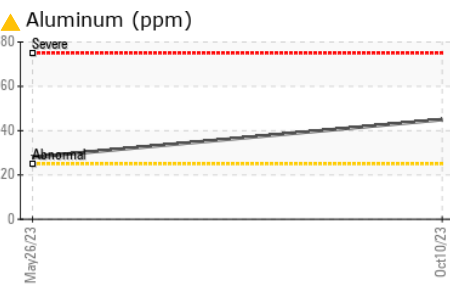
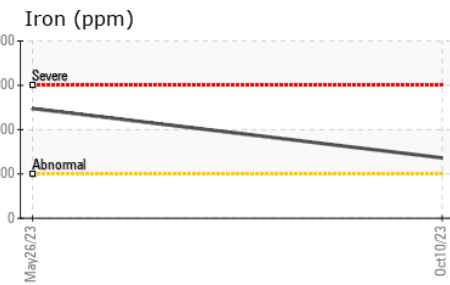
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	375	299	211	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0835194      **Received** : 12 Oct 2023  
**Lab Number** : 02588741      **Diagnosed** : 12 Oct 2023  
**Unique Number** : 5657807      **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ )

**Agnico Eagle Canada**  
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 CA P2N 3J1  
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 T: (705)567-5208  
 F: (705)567-5221

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.