



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**EPIROC ST18 SCP203**  
 Component  
**Rear Differential**  
 Fluid  
**GEAR OIL SAE 75W140 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W140. Please confirm.

## WEAR

All component wear rates are normal.

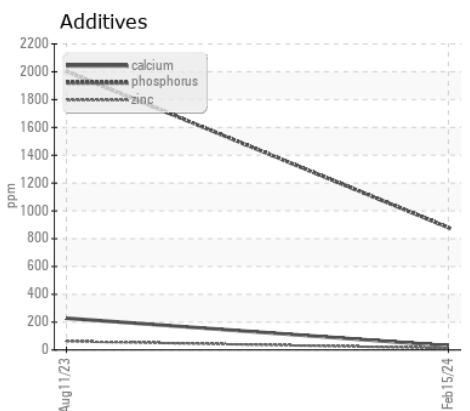
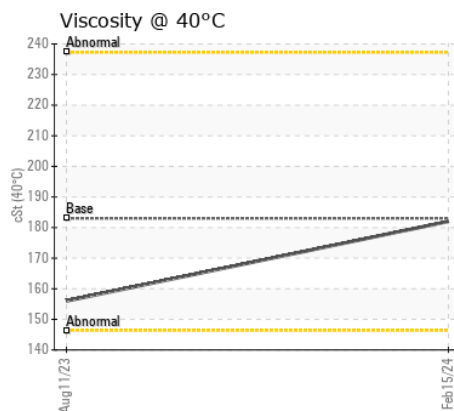
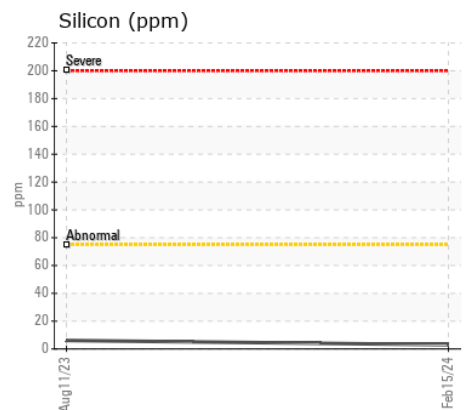
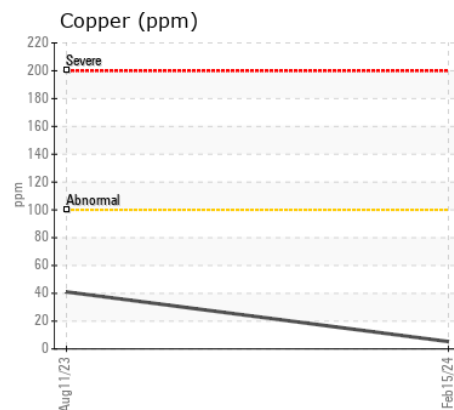
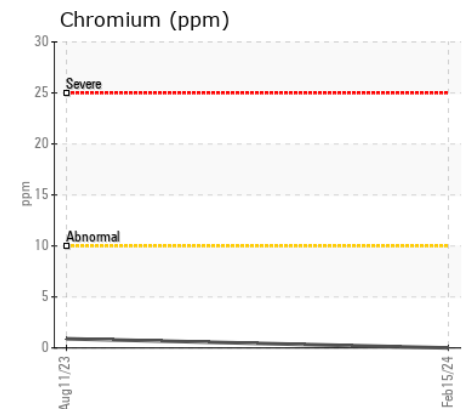
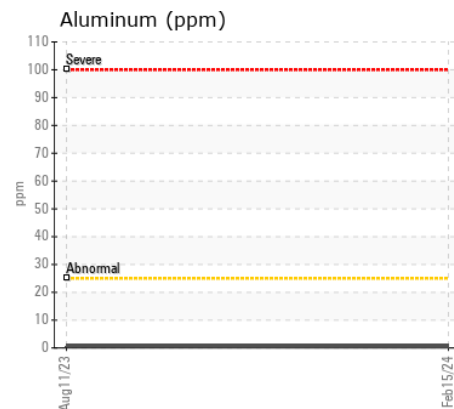
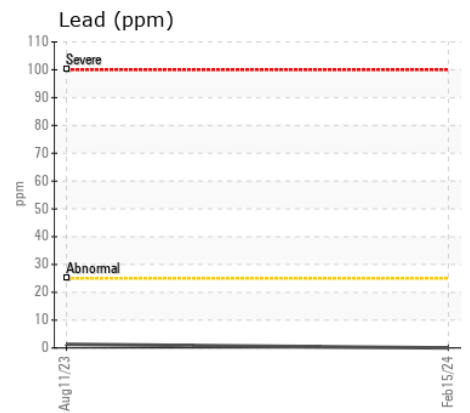
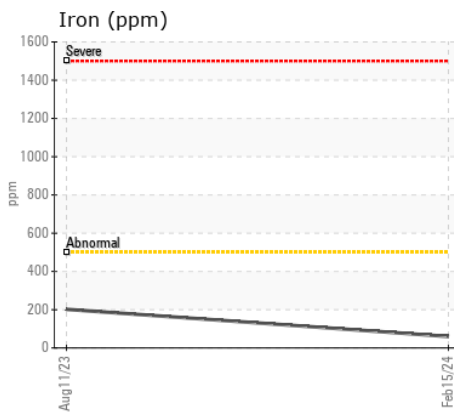
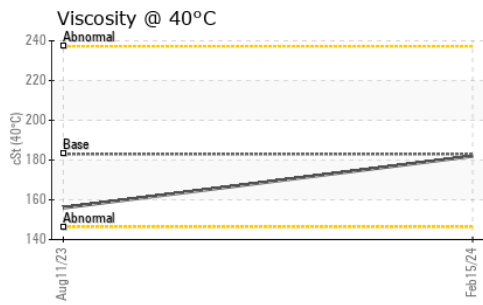
## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0904171	WC0848075	---
Sample Date		Client Info		15 Feb 2024	11 Aug 2023	---
Machine Age	hrs	Client Info		534	10010	---
Oil Age	hrs	Client Info		534	1000	---
Filter Age	hrs	Client Info		250	250	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---
<hr/>						
Iron	ppm	ASTM D5185(m)	>500	60	202	---
Chromium	ppm	ASTM D5185(m)	>10	0	<1	---
Nickel	ppm	ASTM D5185(m)	>10	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	---
Lead	ppm	ASTM D5185(m)	>25	0	1	---
Copper	ppm	ASTM D5185(m)	>100	5	41	---
Tin	ppm	ASTM D5185(m)	>10	<1	1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
<hr/>						
Silicon	ppm	ASTM D5185(m)	>75	3	6	---
Potassium	ppm	ASTM D5185(m)	>20	<1	2	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	---
<hr/>						
Sodium	ppm	ASTM D5185(m)		<1	5	---
Boron	ppm	ASTM D5185(m)	400	71	31	---
Barium	ppm	ASTM D5185(m)	200	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	12	0	2	---
Manganese	ppm	ASTM D5185(m)		0	4	---
Magnesium	ppm	ASTM D5185(m)	12	<1	2	---
Calcium	ppm	ASTM D5185(m)	150	30	228	---
Phosphorus	ppm	ASTM D5185(m)	1650	880	2003	---
Zinc	ppm	ASTM D5185(m)	125	12	62	---
Sulfur	ppm	ASTM D5185(m)	22500	18623	23063	---
Visc @ 40°C	cSt	ASTM D7279(m)	183	182	156	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0904171  
**Lab Number** : 02617201  
**Unique Number** : 5734311  
**Test Package** : MOB 1

**Received** : 21 Feb 2024  
**Tested** : 21 Feb 2024  
**Diagnosed** : 21 Feb 2024 - Wes Davis

**Agnico Eagle Canada**  
 1350 Government Rd. W, MACASSA COMPLEX  
 Kirkland Lake, ON  
 CA P2N 3J1  
 Contact: Mike Campbell  
 mike.campbell@agnicoeagle.com  
 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.