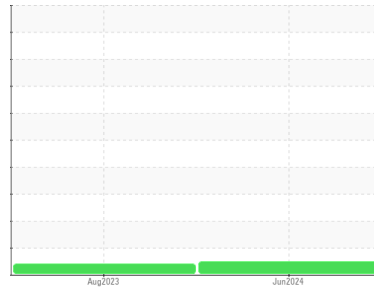




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
EPIROC ST18 SCP203
 Component
Gearbox
 Fluid
GEAR OIL SAE 80W140 (--- 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			WC0947240	WC0848074	---
Sample Date	Client Info			06 Jun 2024	11 Aug 2023	---
Machine Age	hrs	Client Info		1754	10010	---
Oil Age	hrs	Client Info		0	1000	---
Oil Changed	Client Info			Not Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

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

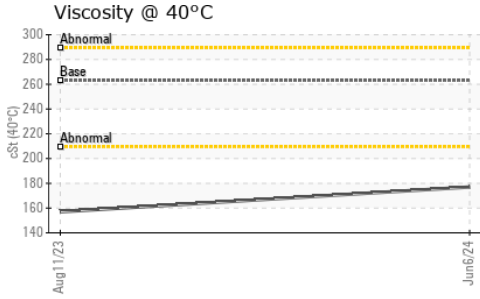
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	158	202	---
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>10	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	---
Lead	ppm	ASTM D5185(m)	>50	<1	2	---
Copper	ppm	ASTM D5185(m)	>200	39	41	---
Tin	ppm	ASTM D5185(m)	>10	<1	1	---
Antimony	ppm	ASTM D5185(m)	>5	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	400	69	31	---
Barium	ppm	ASTM D5185(m)	200	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	12	0	2	---
Manganese	ppm	ASTM D5185(m)		2	4	---
Magnesium	ppm	ASTM D5185(m)	12	<1	2	---
Calcium	ppm	ASTM D5185(m)	150	61	226	---
Phosphorus	ppm	ASTM D5185(m)	1650	862	1999	---
Zinc	ppm	ASTM D5185(m)	125	27	60	---
Sulfur	ppm	ASTM D5185(m)	22500	17899	22973	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	6	6	---
Sodium	ppm	ASTM D5185(m)		2	5	---
Potassium	ppm	ASTM D5185(m)	>20	2	1	---



OIL ANALYSIS REPORT



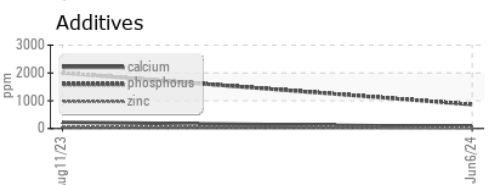
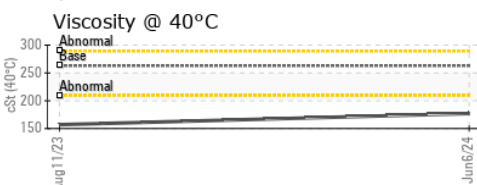
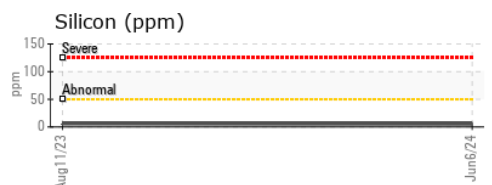
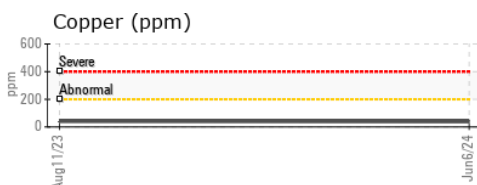
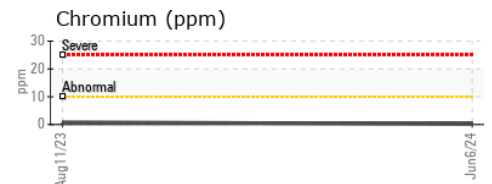
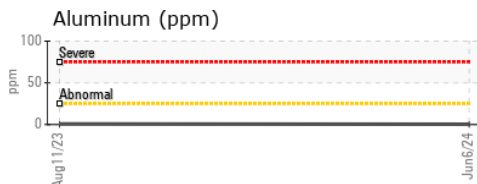
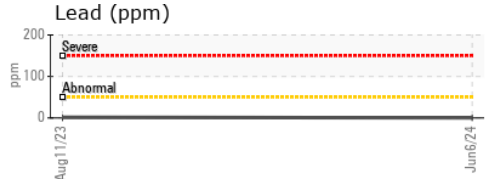
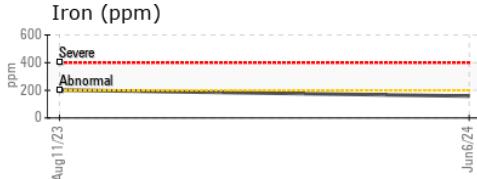
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	263	177	▲ 157

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0947240
Lab Number : 02641260
Unique Number : 5798799
Test Package : MOB 1
Received : 11 Jun 2024
Tested : 12 Jun 2024
Diagnosed : 12 Jun 2024 - Wes Davis

Agnico Eagle Canada
 1350 Government Rd. W, MACASSA COMPLEX
 Kirkland Lake, ON
 CA P2N 3J1
 Contact: Mitch Lamontagne
 AEM_KL_macassaoilsampleresults@agnicoeagle.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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