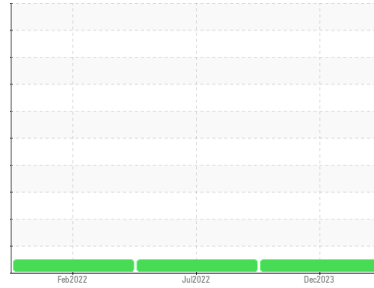




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[106014727]
 Machine Id
EPIROC ST14 SCP205
 Component
Rear Differential
 Fluid
GEAR OIL SAE 85W140 (--- 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		WC0886052	WC0695822	WC0650225
Sample Date	Client Info		12 Dec 2023	16 Jul 2022	18 Feb 2022
Machine Age	hrs	Client Info	2101	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Not Chngd	N/A	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	53	74	195
Chromium	ppm	ASTM D5185(m) >10	<1	<1	1
Nickel	ppm	ASTM D5185(m) >10	<1	0	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	<1	0	0
Aluminum	ppm	ASTM D5185(m) >25	<1	1	<1
Lead	ppm	ASTM D5185(m) >25	<1	0	<1
Copper	ppm	ASTM D5185(m) >100	3	5	11
Tin	ppm	ASTM D5185(m) >10	0	<1	<1
Antimony	ppm	ASTM D5185(m) >5	0	<1	<1
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

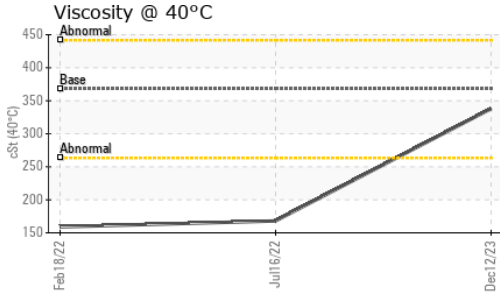
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 400	178	138	234
Barium	ppm	ASTM D5185(m) 200	<1	0	0
Molybdenum	ppm	ASTM D5185(m) 12	0	0	<1
Manganese	ppm	ASTM D5185(m)	0	<1	2
Magnesium	ppm	ASTM D5185(m) 12	4	2	4
Calcium	ppm	ASTM D5185(m) 150	12	20	9
Phosphorus	ppm	ASTM D5185(m) 1650	1006	893	1076
Zinc	ppm	ASTM D5185(m) 125	10	14	13
Sulfur	ppm	ASTM D5185(m) 22500	21029	19838	21233
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	5	6	6
Sodium	ppm	ASTM D5185(m)	<1	3	<1
Potassium	ppm	ASTM D5185(m) >20	0	1	<1



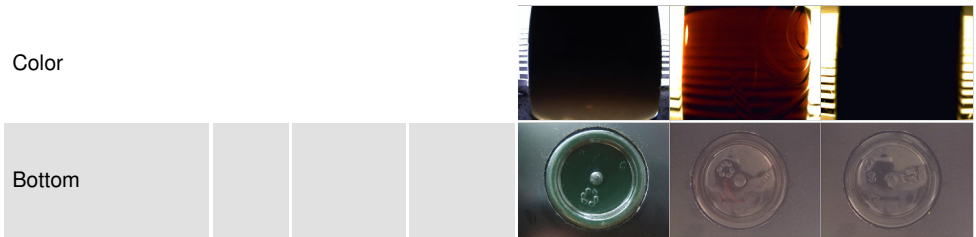
OIL ANALYSIS REPORT



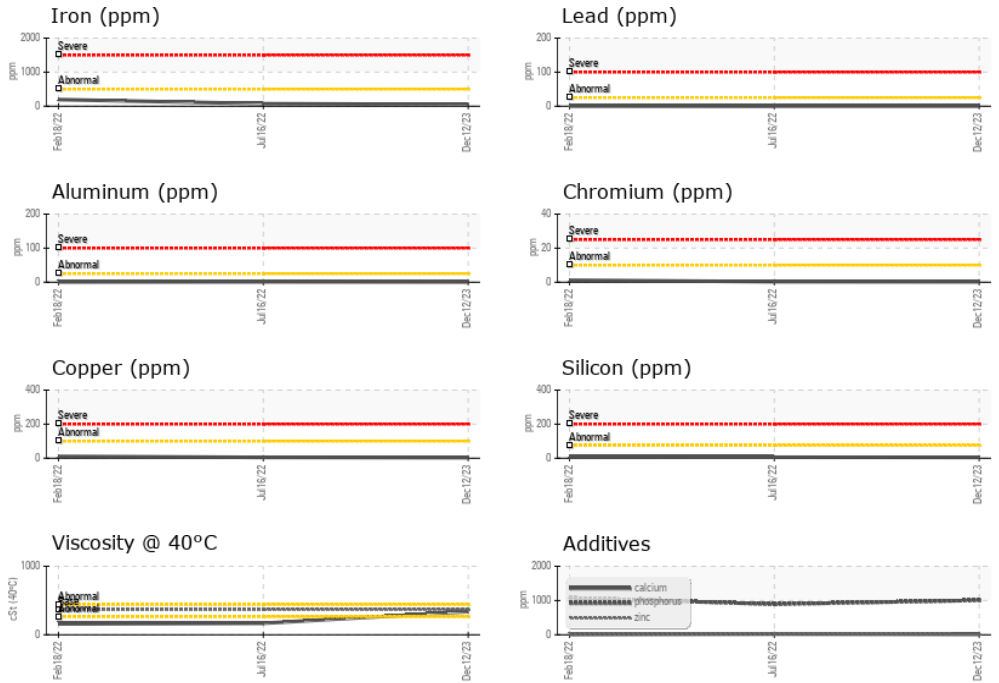
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	368	338	168	159

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0886052 **Received** : 15 Dec 2023
Lab Number : **02603557** **Diagnosed** : 15 Dec 2023
Unique Number : 5696642 **Diagnostician** : Wes Davis
Test Package : MOB 1

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 Kirkland Lake, ON
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 MacassaMobileUGPlanning@agnicoeagle.com
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 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.