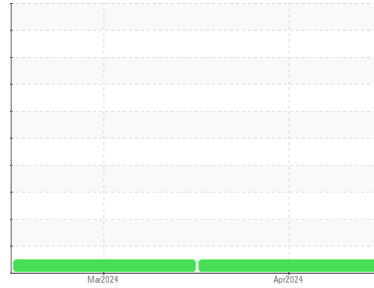




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
MINECAT MC100 FMC011
 Component
Front Differential
 Fluid
GEAR OIL SAE 75W140 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

An increase in the copper level is noted. All other 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			WC0925837	WC0916338	---
Sample Date	Client Info			13 Apr 2024	14 Mar 2024	---
Machine Age	hrs	Client Info		0	1995	---
Oil Age	hrs	Client Info		0	250	---
Oil Changed	Client Info			Not Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

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

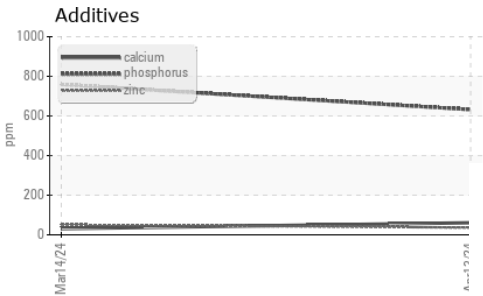
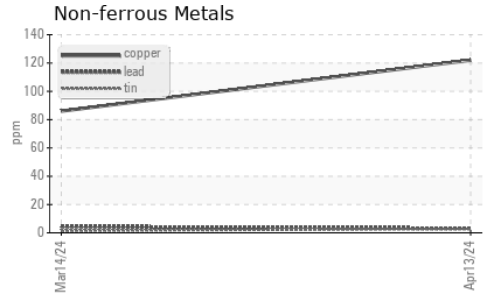
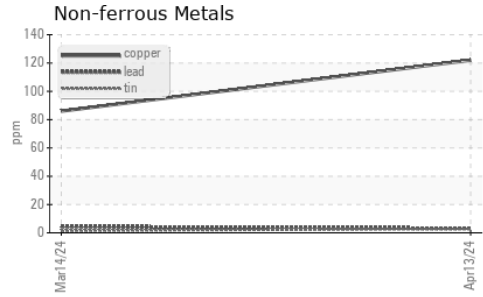
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	191	489	---
Chromium	ppm	ASTM D5185(m)	>10	<1	1	---
Nickel	ppm	ASTM D5185(m)	>10	0	<1	---
Titanium	ppm	ASTM D5185(m)		<1	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	5	8	---
Lead	ppm	ASTM D5185(m)	>25	3	4	---
Copper	ppm	ASTM D5185(m)	>100	122	86	---
Tin	ppm	ASTM D5185(m)	>10	3	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	12	11	---
Barium	ppm	ASTM D5185(m)	200	0	0	---
Molybdenum	ppm	ASTM D5185(m)	12	0	0	---
Manganese	ppm	ASTM D5185(m)		5	3	---
Magnesium	ppm	ASTM D5185(m)	12	4	5	---
Calcium	ppm	ASTM D5185(m)	150	61	31	---
Phosphorus	ppm	ASTM D5185(m)	1650	632	759	---
Zinc	ppm	ASTM D5185(m)	125	36	51	---
Sulfur	ppm	ASTM D5185(m)	22500	17981	18639	---
Lithium	ppm	ASTM D5185(m)		1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	26	34	---
Sodium	ppm	ASTM D5185(m)		7	10	---
Potassium	ppm	ASTM D5185(m)	>20	2	3	---



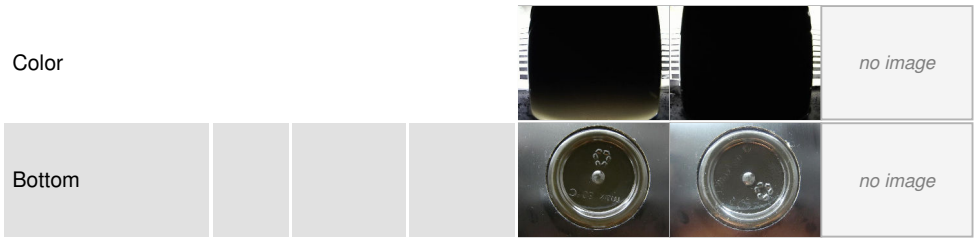
OIL ANALYSIS REPORT



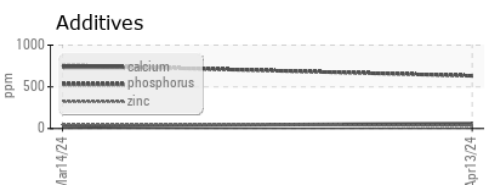
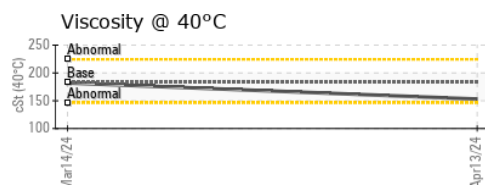
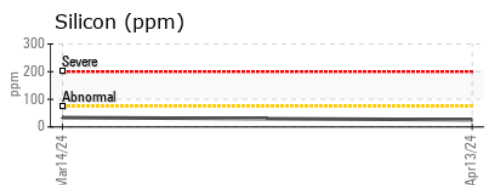
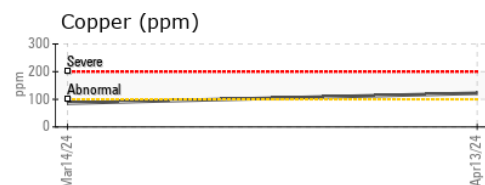
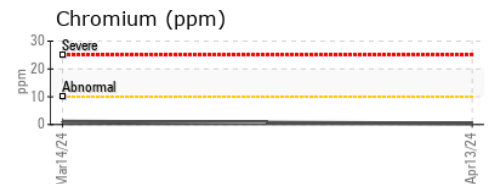
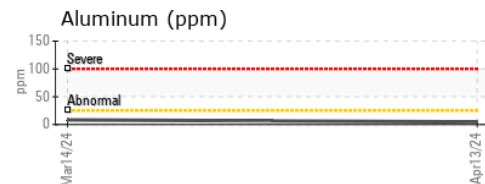
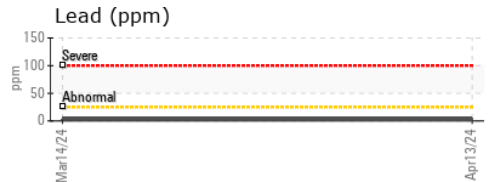
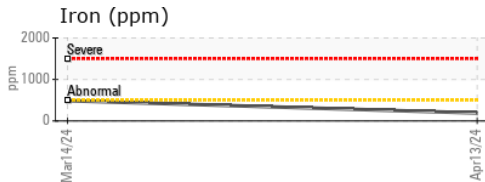
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	183	153	182

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. : WC0925837
Lab Number : 02629746
Unique Number : 5762878
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.

Contact: Mitch Lamontagne
 AEM_KL_macassaoilsampleresults@agnicoeagle.com
 T: (705)567-5208
 F: (705)567-5221