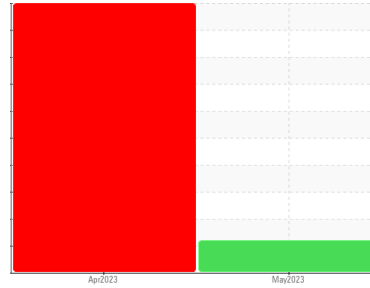




# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**TERTIARY MILL DISCHARGE**

Component  
**Bearing**

Fluid  
**GEAR OIL ISO 220 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### ▲ Wear

Tin ppm levels are abnormal. Antimony ppm levels are noted. Bearing wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0798655</b>	WC0798651	---
Sample Date	Client Info		<b>11 May 2023</b>	26 Apr 2023	---
Machine Age	hrs	Client Info	<b>0</b>	0	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>ABNORMAL</b>	SEVERE	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	<b>9</b>	33
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1
Titanium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	6
Lead	ppm	ASTM D5185(m)	>50	<b>48</b>	190
Copper	ppm	ASTM D5185(m)	>150	<b>&lt;1</b>	2
Tin	ppm	ASTM D5185(m)	>10	<b>▲ 21</b>	71
Antimony	ppm	ASTM D5185(m)		<b>▲ 11</b>	43
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0
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)	50	<b>2</b>	4
Barium	ppm	ASTM D5185(m)	15	<b>0</b>	0
Molybdenum	ppm	ASTM D5185(m)	15	<b>0</b>	<1
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1
Magnesium	ppm	ASTM D5185(m)	50	<b>&lt;1</b>	3
Calcium	ppm	ASTM D5185(m)	50	<b>2</b>	17
Phosphorus	ppm	ASTM D5185(m)	350	<b>260</b>	298
Zinc	ppm	ASTM D5185(m)	100	<b>8</b>	13
Sulfur	ppm	ASTM D5185(m)	12500	<b>9491</b>	9579
Lithium	ppm	ASTM D5185(m)		<b>2</b>	6

## CONTAMINANTS

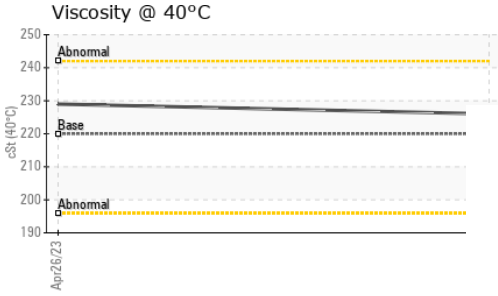
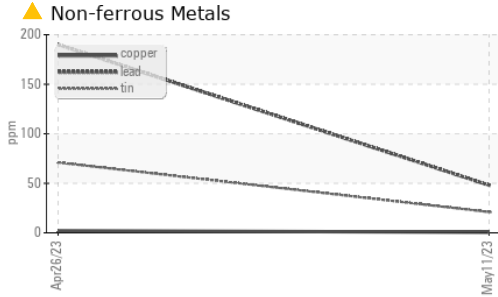
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>7</b>	21
Sodium	ppm	ASTM D5185(m)		<b>1</b>	4
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	5

## 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*	>0.1	<b>NEG</b>	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG



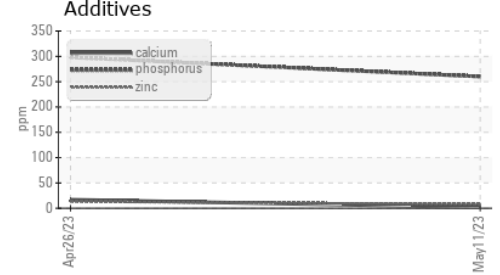
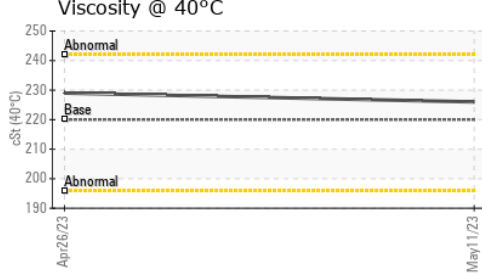
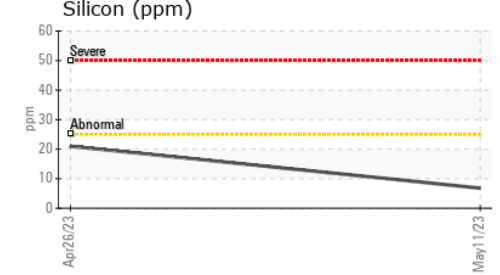
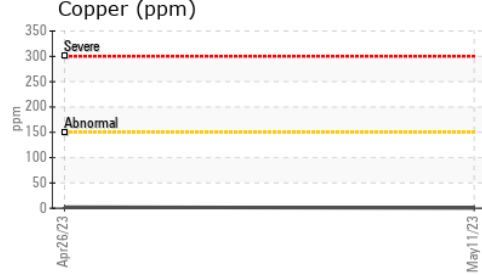
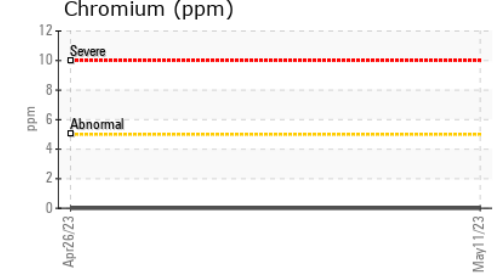
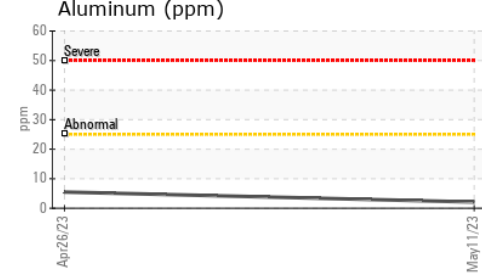
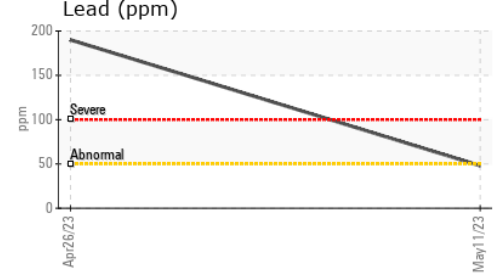
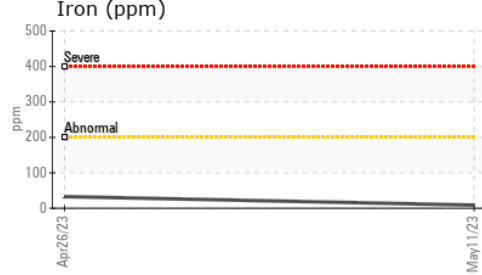
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	226	229	---

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.** : WC0798655 **Received** : 19 May 2023  
**Lab Number** : 02558666 **Diagnosed** : 24 May 2023  
**Unique Number** : 5579706 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1

**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.