



# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**



Machine Id  
**MACLEAN MEM977 5107**  
Component  
**Transmission**  
Fluid  
**SAE 15W40 (--- GAL)**



## DIAGNOSIS

### Recommendation

We recommend an early resample to monitor this condition.

### Wear

Lead ppm levels are noted. All other component wear rates are normal.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the fluid is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0835129</b>	---	---
Sample Date	Client Info		<b>01 Aug 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Not Changed</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >200	<b>20</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >50	<b>5</b>	---	---
Lead	ppm	ASTM D5185(m) >50	<b>▲ 497</b>	---	---
Copper	ppm	ASTM D5185(m) >200	<b>141</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<b>1</b>	---	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>11</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>4</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>1</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>74</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>2592</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>964</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>1035</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>2946</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

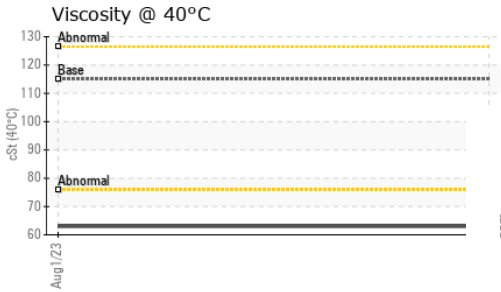
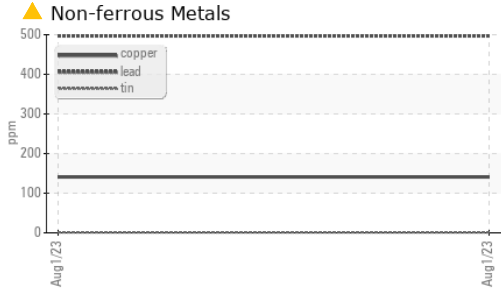
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>9</b>	---	---
Sodium	ppm	ASTM D5185(m) >57	<b>7</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	---	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual* NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual* NONE	<b>NONE</b>	---	---
Silt	scalar	Visual* NONE	<b>NONE</b>	---	---
Debris	scalar	Visual* NONE	<b>VLITE</b>	---	---
Sand/Dirt	scalar	Visual* NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual* NORML	<b>NORML</b>	---	---
Odor	scalar	Visual* NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual* >0.1	<b>NEG</b>	---	---
Free Water	scalar	Visual*	<b>NEG</b>	---	---



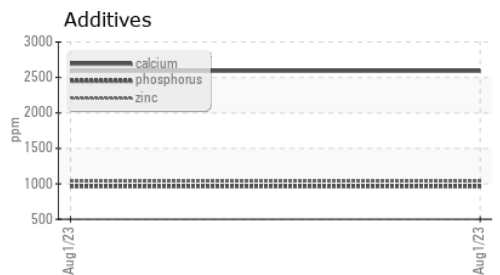
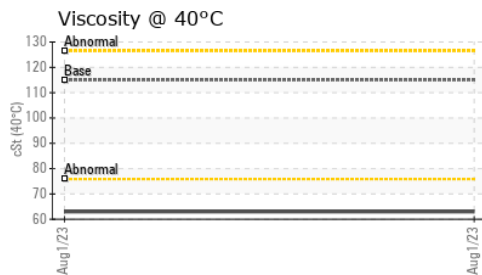
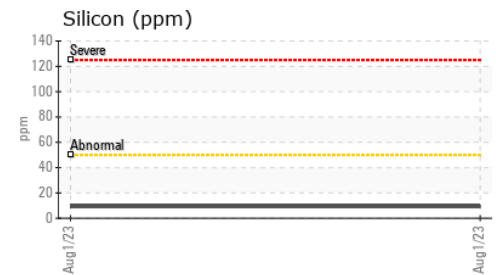
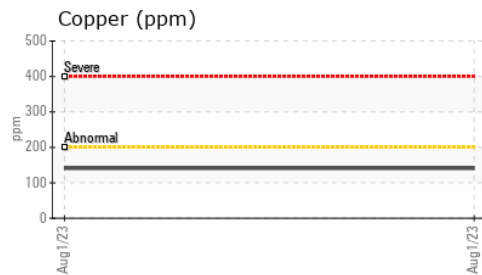
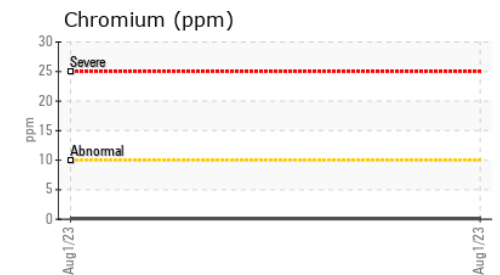
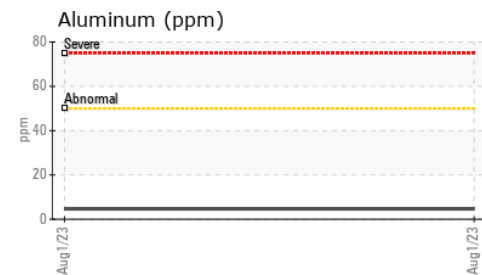
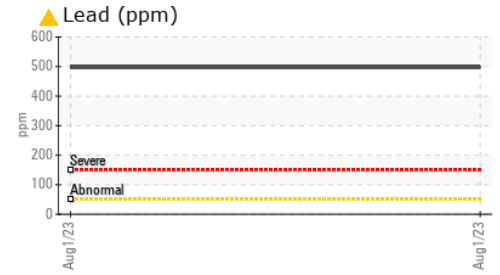
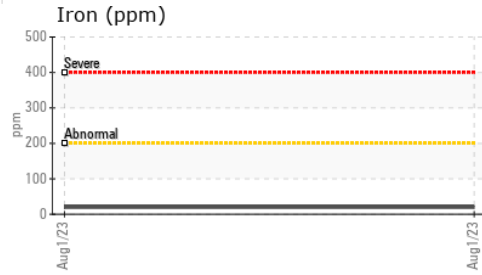
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	115	63.0	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0835129  
**Lab Number** : 02575405  
**Unique Number** : 5620456  
**Test Package** : MOB 1

**Agnico Eagle Canada**  
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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.