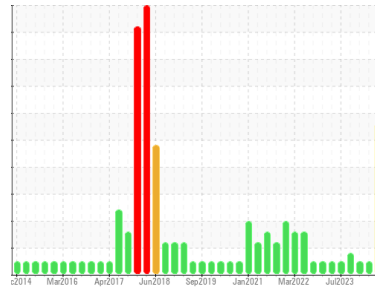




# OIL ANALYSIS REPORT

Sample Rating Trend



**WATER**



Area

**6 Calender Line**

Machine Id

**39-0034 South Cooling Mixer**

Component

**Gearbox**

Fluid

**MOBIL GLYGOYLE 30 (70 LTR)**

## DIAGNOSIS

### Recommendation

Check seals and/or filters for points of contaminant entry. We advise that you check all areas where contaminants can enter the system. We advise that you check for visible metal particles in the oil. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you use off-line filtration with water adsorbent filters to attempt to remove the water from this oil. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique.

DISCLAIMER: Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified.

### Wear

Chromium and titanium ppm levels are marginal. Light concentration of visible metal present. Gear wear is indicated.

### Contamination

There is a moderate concentration of water present in the oil. Moderate concentration of visible dirt/debris present 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>WC0926976</b>	WC0892261	WC0867513
Sample Date	Client Info		<b>06 Jun 2024</b>	20 Mar 2024	04 Jan 2024
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ABNORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>200	<b>65</b>	67	39
Chromium	ppm	ASTM D5185(m)	>15	<b>▲ 16</b>	14	14
Nickel	ppm	ASTM D5185(m)	>15	<b>1</b>	1	1
Titanium	ppm	ASTM D5185(m)		<b>▲ 31</b>	18	10
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	2	1
Lead	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185(m)	>200	<b>42</b>	43	38
Tin	ppm	ASTM D5185(m)	>25	<b>6</b>	6	5
Antimony	ppm	ASTM D5185(m)	>5	<b>14</b>	12	9
Vanadium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## ADDITIVES

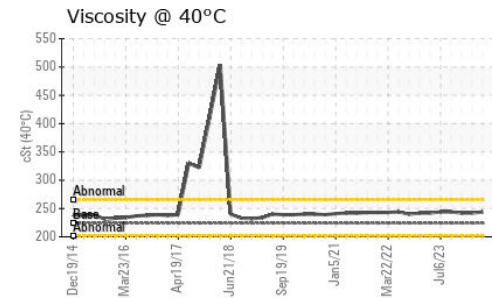
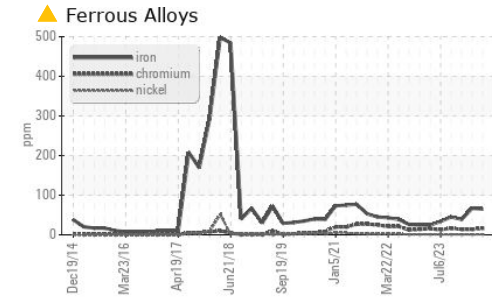
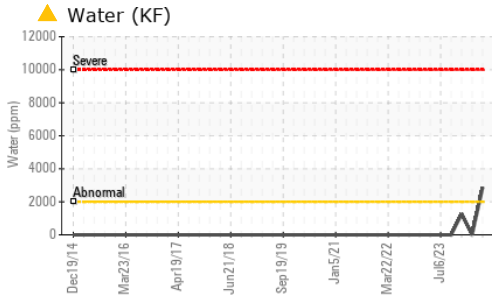
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		<b>18</b>	17	15
Barium	ppm	ASTM D5185(m)		<b>5</b>	3	3
Molybdenum	ppm	ASTM D5185(m)		<b>1</b>	0	<1
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>3</b>	2	2
Calcium	ppm	ASTM D5185(m)		<b>341</b>	305	263
Phosphorus	ppm	ASTM D5185(m)		<b>1103</b>	1114	1143
Zinc	ppm	ASTM D5185(m)		<b>5</b>	5	4
Sulfur	ppm	ASTM D5185(m)		<b>129</b>	306	161
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>50	<b>12</b>	9	9
Sodium	ppm	ASTM D5185(m)		<b>7</b>	5	3
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	2	6
Water	%	ASTM D6304*	>0.2	<b>▲ 0.287</b>	---	0.126
ppm Water	ppm	ASTM D6304*	>2000	<b>▲ 2875</b>	---	1266



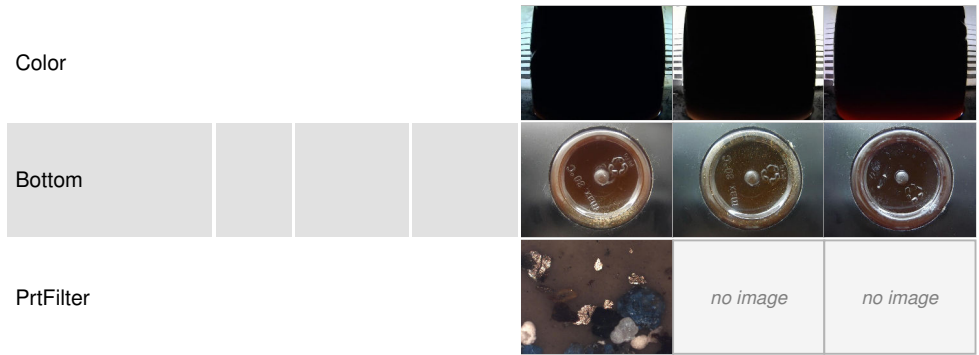
# OIL ANALYSIS REPORT



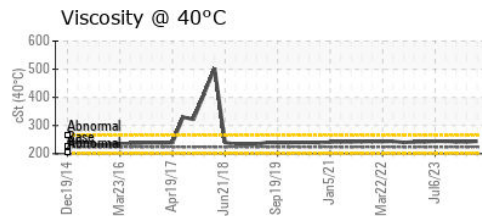
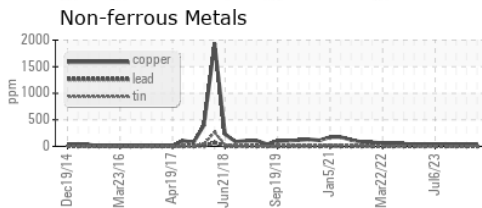
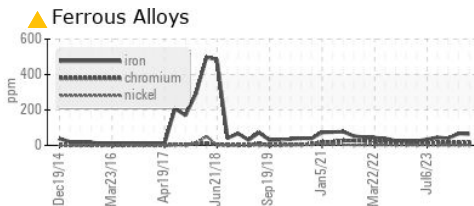
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	▲ VLITE	VLITE NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE NONE
Silt	scalar	Visual*	NONE	NONE	VLITE NONE
Debris	scalar	Visual*	NONE	▲ LIGHT	LIGHT NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE NONE
Appearance	scalar	Visual*	NORML	▲ HAZY	NORML HAZY
Odor	scalar	Visual*	NORML	NORML	NORML NORML
Emulsified Water	scalar	Visual*	>0.2	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)	224	244	242 242

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.** : WC0926976  
**Lab Number** : 02644977  
**Unique Number** : 5802516  
**Test Package** : IND 1 ( Additional Tests: BottomAnalysis, FILTERPATCH, KF )

**CANADIAN GENERAL TOWER LTD.**  
 52 MIDDLETON STREET, P.O. BOX 160  
 CAMBRIDGE, ON  
 CA N1S 2R4  
 Contact: Bob Abell  
 bob.abell@cgtower.com  
 T: (519)623-1630  
 F: (519)623-7018

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.