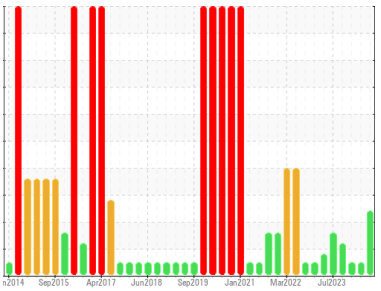
OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL

Area
6 Calender Line
Machine Id
39-0036 North Cooling Mixer
Component
Gearbox
Fluid
MOBIL GLYGOYLE 30 (70 LTR)

DIAGNOSIS

Recommendation
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. 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
Titanium ppm levels are marginal. Light concentration of visible metal present. Gear wear is indicated.

Contamination
Light 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		**WC0926977**	WC0892262	WC0867512
Sample Date		Client Info		**06 Jun 2024**	20 Mar 2024	04 Jan 2024
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	NORMAL	NORMAL

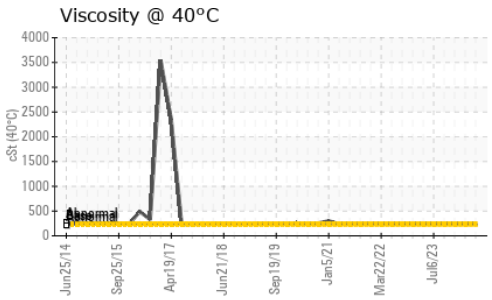
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	**50**	62	74
Chromium	ppm	ASTM D5185(m)	>15	**2**	1	1
Nickel	ppm	ASTM D5185(m)	>15	**<1**	0	<1
Titanium	ppm	ASTM D5185(m)		▲ **13**	8	4
Silver	ppm	ASTM D5185(m)		**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>25	**2**	2	2
Lead	ppm	ASTM D5185(m)	>100	**<1**	0	<1
Copper	ppm	ASTM D5185(m)	>200	**20**	15	14
Tin	ppm	ASTM D5185(m)	>25	**2**	<1	<1
Antimony	ppm	ASTM D5185(m)	>5	**12**	9	7
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)		**17**	23	21
Barium	ppm	ASTM D5185(m)		**1**	<1	0
Molybdenum	ppm	ASTM D5185(m)		**0**	0	0
Manganese	ppm	ASTM D5185(m)		**<1**	0	<1
Magnesium	ppm	ASTM D5185(m)		**2**	1	<1
Calcium	ppm	ASTM D5185(m)		**279**	368	425
Phosphorus	ppm	ASTM D5185(m)		**1176**	1101	1152
Zinc	ppm	ASTM D5185(m)		**2**	3	2
Sulfur	ppm	ASTM D5185(m)		**143**	464	232
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

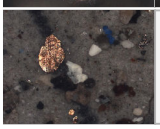
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	**6**	7	7
Sodium	ppm	ASTM D5185(m)		**2**	2	2
Potassium	ppm	ASTM D5185(m)	>20	**3**	1	6

OIL ANALYSIS REPORT

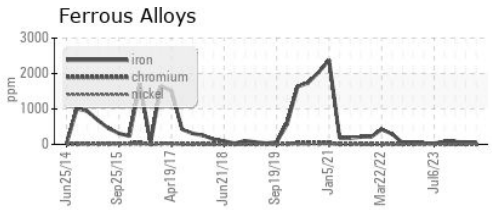


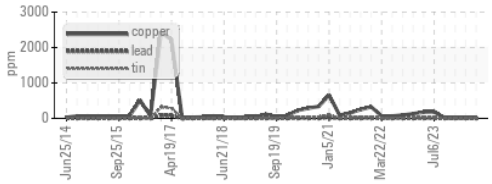
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	▲ **VLITE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	VLITE
Silt	scalar	Visual*	NONE	**NONE**	VLITE	NONE
Debris	scalar	Visual*	NONE	▲ **LIGHT**	NONE	NONE
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*	>0.2	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

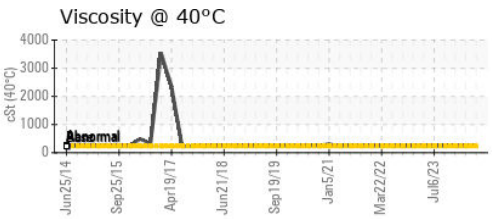
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	224	**237**	237	237

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

GRAPHS







ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0926977 **Received** : 02 Jul 2024
Lab Number : 02644978 **Tested** : 03 Jul 2024
Unique Number : 5802517 **Diagnosed** : 04 Jul 2024 - Kevin Marson
Test Package : IND 1 (Additional Tests: BottomAnalysis, FILTERPATCH)

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.

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