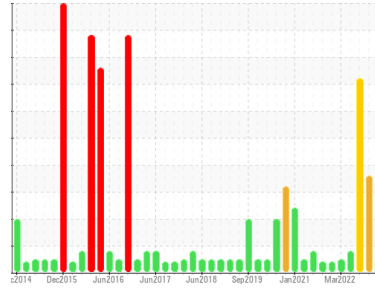




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**3 Calender Line**  
 Machine Id  
**42-0219 Calender Brgs.**

Component  
**Bearing**  
 Fluid

**DOW CHEMICAL UCON CALENDAR OIL 51 (200 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0837255</b>	WC0744088	WC0627666
Sample Date	Client Info		<b>03 Oct 2023</b>	06 Jul 2023	25 Jan 2023
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>NORMAL</b>	SEVERE	SEVERE

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>20	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0
Lead	ppm	ASTM D5185(m)	>20	<b>2</b>	<1	0
Copper	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</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>1</b>	<1	<1
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Calcium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Phosphorus	ppm	ASTM D5185(m)		<b>1</b>	2	2
Zinc	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	<1
Sulfur	ppm	ASTM D5185(m)		<b>109</b>	205	65
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	2	0
Sodium	ppm	ASTM D5185(m)		<b>0</b>	<1	4
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	28	0

## FLUID CLEANLINESS

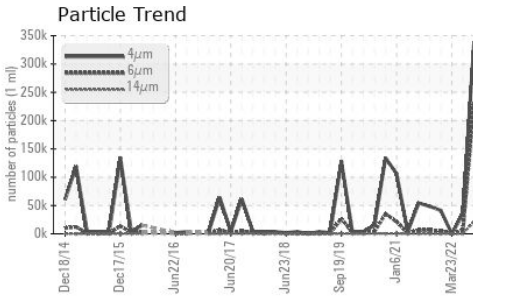
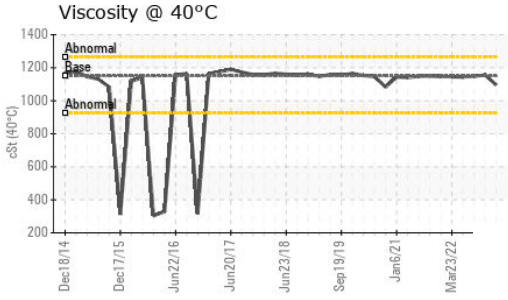
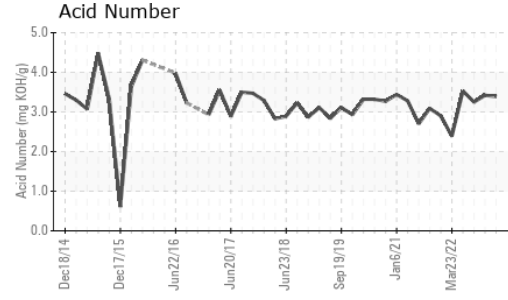
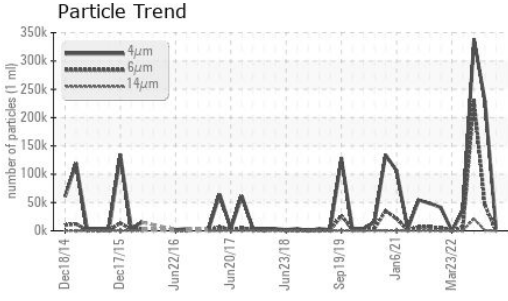
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>5047</b>	228299	338293
Particles >6µm	ASTM D7647	>2500	<b>858</b>	44540	230899
Particles >14µm	ASTM D7647	>160	<b>51</b>	728	21175
Particles >21µm	ASTM D7647	>40	<b>16</b>	107	2796
Particles >38µm	ASTM D7647	>10	<b>3</b>	0	26
Particles >71µm	ASTM D7647	>3	<b>2</b>	0	2
Oil Cleanliness	ISO 4406 (c)	>--/18/14	<b>20/17/13</b>	25/23/17	26/25/22

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>3.39</b>	3.42	3.25



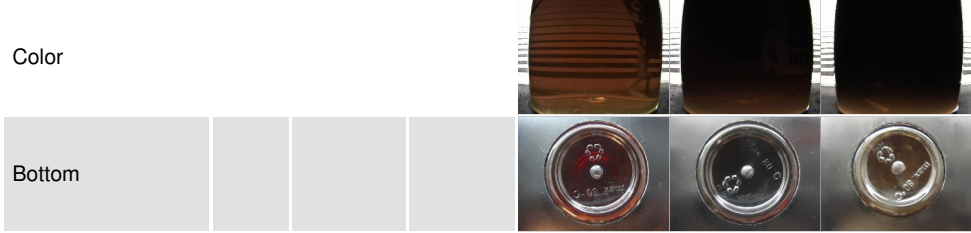
# OIL ANALYSIS REPORT



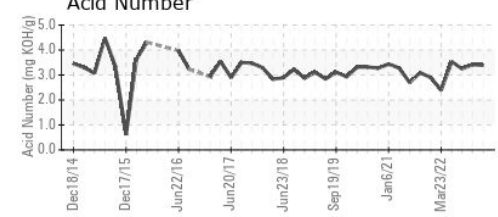
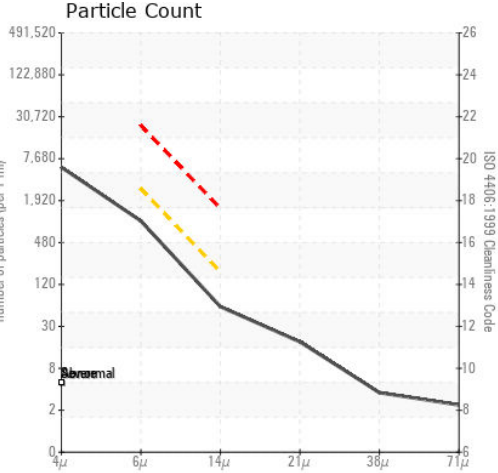
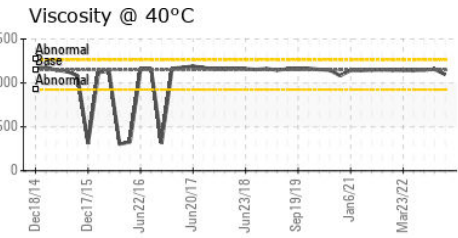
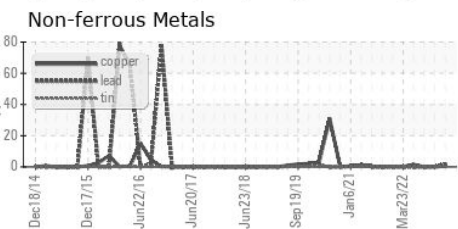
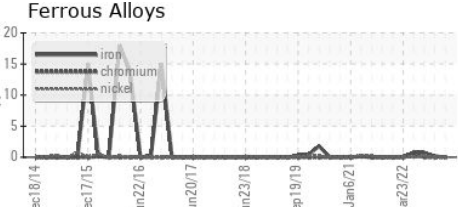
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	VLITE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	1150	1096	1156

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CANADIAN GENERAL TOWER LTD.**  
**Sample No.** : WC0837255 **Received** : 06 Oct 2023 52 MIDDLETON STREET, P.O. BOX 160  
**Lab Number** : 02587839 **Diagnosed** : 10 Oct 2023 CAMBRIDGE, ON  
**Unique Number** : 5656905 **Diagnostician** : Kevin Marson CA N1S 2R4  
**Test Package** : IND 2 ( Additional Tests: TAN Man ) Contact: Bob Abell

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.