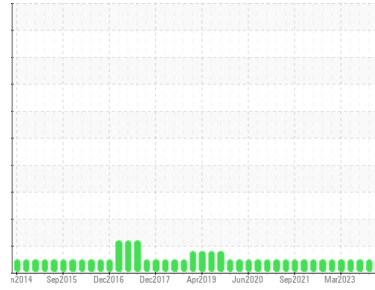




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
6 Calender Line
 Machine Id
39-0232 North PGE
 Component
Gearbox
 Fluid
SUNOCO SUNEP 320 (30 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | WC0892266 | WC0867507 | WC0782365 |
| Sample Date | Client Info | 20 Mar 2024 | 03 Jan 2024 | 03 Oct 2023 |
| Machine Age | hrs | Client Info | 0 | 0 |
| Oil Age | hrs | Client Info | 0 | 0 |
| Oil Changed | Client Info | N/A | N/A | N/A |
| Sample Status | | NORMAL | 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 | 40 | 41 | 41 |
| Chromium | ppm ASTM D5185(m) >15 | <1 | <1 | <1 |
| Nickel | ppm ASTM D5185(m) >15 | <1 | <1 | <1 |
| Titanium | ppm ASTM D5185(m) | 6 | 6 | 6 |
| Silver | ppm ASTM D5185(m) | 0 | 0 | <1 |
| Aluminum | ppm ASTM D5185(m) >25 | <1 | <1 | <1 |
| Lead | ppm ASTM D5185(m) >100 | 0 | <1 | <1 |
| Copper | ppm ASTM D5185(m) >200 | <1 | <1 | 1 |
| Tin | ppm ASTM D5185(m) >25 | 0 | 0 | 0 |
| Antimony | ppm ASTM D5185(m) >5 | 2 | 2 | 2 |
| 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

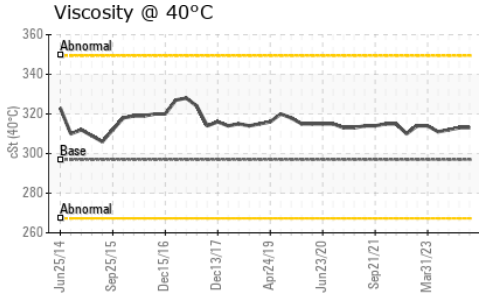
| method | limit/base | current | history1 | history2 |
|------------|-------------------|--------------|----------|----------|
| Boron | ppm ASTM D5185(m) | 18 | 18 | 16 |
| Barium | ppm ASTM D5185(m) | 0 | 0 | <1 |
| Molybdenum | ppm ASTM D5185(m) | 0 | 0 | 0 |
| Manganese | ppm ASTM D5185(m) | 0 | 0 | 0 |
| Magnesium | ppm ASTM D5185(m) | <1 | <1 | <1 |
| Calcium | ppm ASTM D5185(m) | 29 | 30 | 30 |
| Phosphorus | ppm ASTM D5185(m) | 305 | 317 | 322 |
| Zinc | ppm ASTM D5185(m) | 5 | 4 | 4 |
| Sulfur | ppm ASTM D5185(m) | 16091 | 16556 | 16594 |
| Lithium | ppm ASTM D5185(m) | <1 | <1 | <1 |

CONTAMINANTS

| method | limit/base | current | history1 | history2 |
|-----------|-----------------------|--------------|----------|----------|
| Silicon | ppm ASTM D5185(m) >50 | <1 | 2 | 3 |
| Sodium | ppm ASTM D5185(m) | <1 | <1 | <1 |
| Potassium | ppm ASTM D5185(m) >20 | <1 | 4 | 0 |



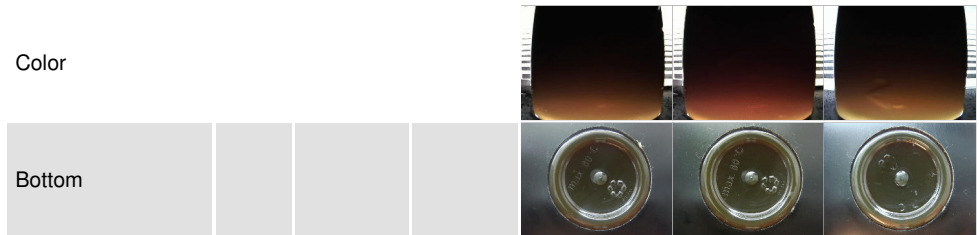
OIL ANALYSIS REPORT



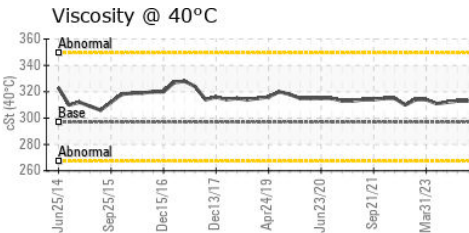
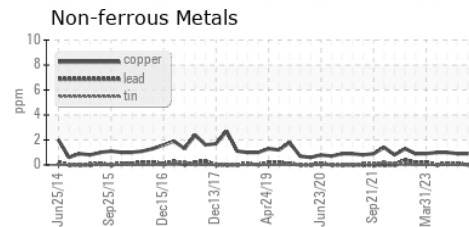
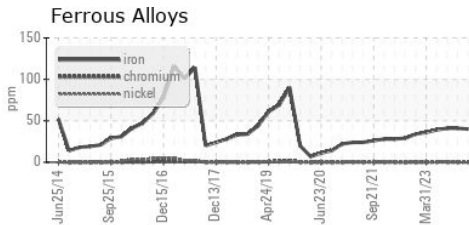
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE |
| Precipitate | scalar | Visual* | NONE | NONE | 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* | >0.2 | NEG | NEG |
| Free Water | scalar | Visual* | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|---------|------------|----------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 297 | 313 | 313 |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0892266
Lab Number : **02626766**
Unique Number : 5759898
Test Package : IND 1
Received : 04 Apr 2024
Tested : 04 Apr 2024
Diagnosed : 04 Apr 2024 - Wes Davis

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.