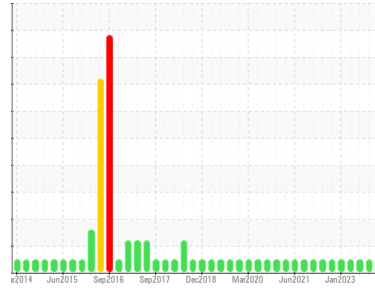




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
6 Calender Line
 Machine Id
39-0209 South PGE
 Component
Gearbox
 Fluid
SUNOCO SUNE320 (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 | | WC0867506 | WC0782366 | WC0808320 |
| Sample Date | Client Info | | 03 Jan 2024 | 03 Oct 2023 | 06 Jul 2023 |
| 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 | | | 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 | 11 | 11 | 8 |
| Chromium | ppm | ASTM D5185(m) | >15 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185(m) | >15 | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185(m) | | 8 | 9 | 9 |
| Silver | ppm | ASTM D5185(m) | | 0 | <1 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >25 | <1 | <1 | <1 |
| Lead | ppm | ASTM D5185(m) | >100 | <1 | <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 | 5 | 5 | 4 |
| 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

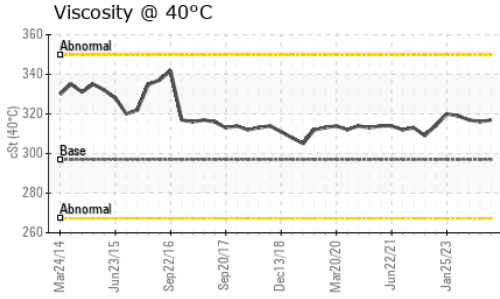
| | method | limit/base | current | history1 | history2 | |
|------------|--------|---------------|---------|--------------|----------|-------|
| Boron | ppm | ASTM D5185(m) | | 21 | 13 | 10 |
| Barium | ppm | ASTM D5185(m) | | 0 | <1 | <1 |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Magnesium | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| Calcium | ppm | ASTM D5185(m) | | 6 | 6 | 5 |
| Phosphorus | ppm | ASTM D5185(m) | | 315 | 324 | 343 |
| Zinc | ppm | ASTM D5185(m) | | 2 | 3 | 3 |
| Sulfur | ppm | ASTM D5185(m) | | 14593 | 14704 | 14248 |
| Lithium | ppm | ASTM D5185(m) | | <1 | <1 | <1 |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 | |
|-----------|--------|---------------|---------|----------|----------|----|
| Silicon | ppm | ASTM D5185(m) | >50 | 6 | 5 | 4 |
| Sodium | ppm | ASTM D5185(m) | | 0 | <1 | <1 |
| Potassium | ppm | ASTM D5185(m) | >20 | 4 | 0 | <1 |



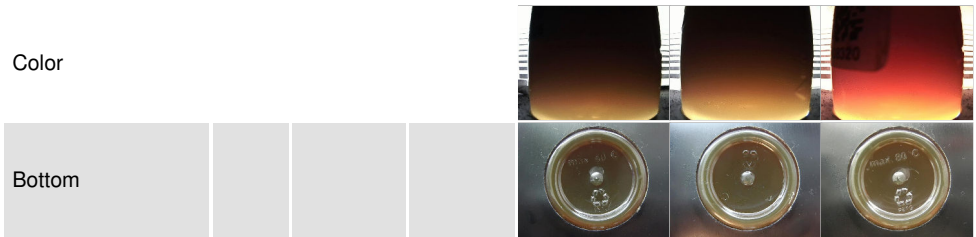
OIL ANALYSIS REPORT



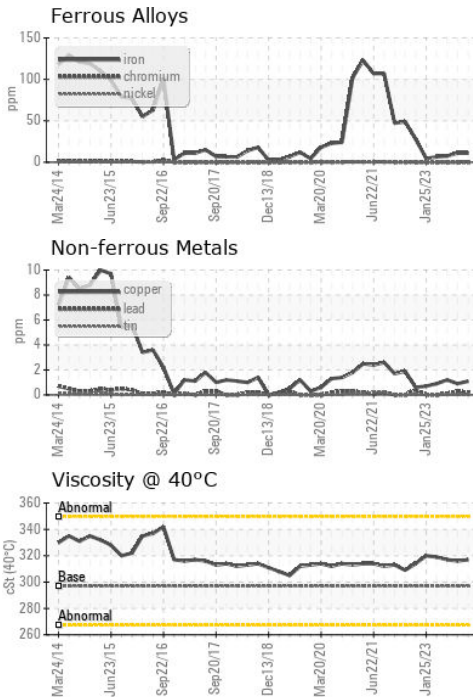
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE |
| Precipitate | scalar | Visual* | NONE | NONE | 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 | 317 | 316 | 317 |

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



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CANADIAN GENERAL TOWER LTD.**
Sample No. : WC0867506 **Received** : 11 Jan 2024 52 MIDDLETON STREET, P.O. BOX 160
Lab Number : **02608305** **Diagnosed** : 11 Jan 2024 CAMBRIDGE, ON
Unique Number : 5709391 **Diagnostician** : Wes Davis CA N1S 2R4
Test Package : IND 1

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.

Contact: Bob Abell
 bob.abell@cgtower.com
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 F: (519)623-7018