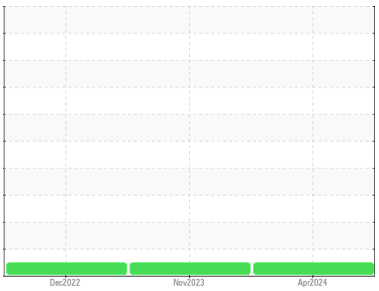
# OIL ANALYSIS REPORT

Sample Rating Trend




NORMAL

Machine Id
**D7620**
Component
**Compressor**
Fluid
**CIMCO TYPE A (--- GAL)**

## DIAGNOSIS

**Recommendation**
Resample at the next service interval to monitor.

**Wear**
All component wear rates are normal.

**Contamination**
The water content is negligible. There is no indication of any contamination in the oil.

**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 | | **PC0081269** | PC0052545 | PC0052630 |
| Sample Date | | Client Info | | **28 Apr 2024** | 12 Nov 2023 | 11 Dec 2022 |
| Machine Age | hrs | Client Info | | **62628** | 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 |

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| PQ | | ASTM D8184* | | **0** | 0 | 0 |
| Iron | ppm | ASTM D5185(m) | >50 | **14** | 11 | 4 |
| Chromium | ppm | ASTM D5185(m) | >10 | **0** | 0 | 0 |
| Nickel | ppm | ASTM D5185(m) | | **0** | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | | **0** | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | | **0** | <1 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >25 | **0** | <1 | <1 |
| Lead | ppm | ASTM D5185(m) | >25 | **0** | <1 | <1 |
| Copper | ppm | ASTM D5185(m) | >50 | **2** | 2 | 2 |
| Tin | ppm | ASTM D5185(m) | >15 | **0** | 0 | 0 |
| Antimony | ppm | ASTM D5185(m) | | **0** | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | **0** | 0 | 0 |
| Beryllium | ppm | ASTM D5185(m) | | **0** | 0 | 0 |
| Cadmium | ppm | ASTM D5185(m) | | **0** | 0 | 0 |

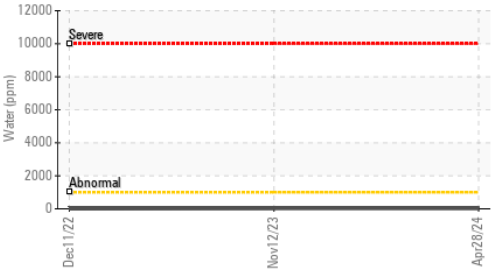
| ADDITIVES | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Boron | ppm | ASTM D5185(m) | | **0** | <1 | <1 |
| Barium | ppm | ASTM D5185(m) | | **0** | <1 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | | **0** | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | | **0** | 0 | 0 |
| Magnesium | ppm | ASTM D5185(m) | | **<1** | 0 | 0 |
| Calcium | ppm | ASTM D5185(m) | | **6** | 3 | <1 |
| Phosphorus | ppm | ASTM D5185(m) | | **9** | 8 | 8 |
| Zinc | ppm | ASTM D5185(m) | | **8** | 7 | 8 |
| Sulfur | ppm | ASTM D5185(m) | | **143** | 139 | 158 |
| Lithium | ppm | ASTM D5185(m) | | **<1** | <1 | <1 |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Silicon | ppm | ASTM D5185(m) | >25 | **0** | 0 | 0 |
| Sodium | ppm | ASTM D5185(m) | | **0** | <1 | 0 |
| Potassium | ppm | ASTM D5185(m) | >20 | **0** | 0 | 0 |
| Water | % | ASTM D6304* | >0.1 | **0.001** | 0.001 | 0.001 |
| ppm Water | ppm | ASTM D6304* | >1000 | **7** | 12 | 0.1 |

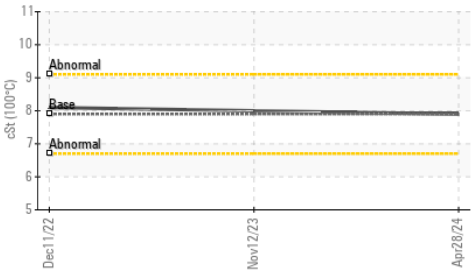
| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Acid Number (AN) | mg KOH/g | ASTM D974* | 0.05 | **0.06** | 0.06 | 0.09 |

# OIL ANALYSIS REPORT

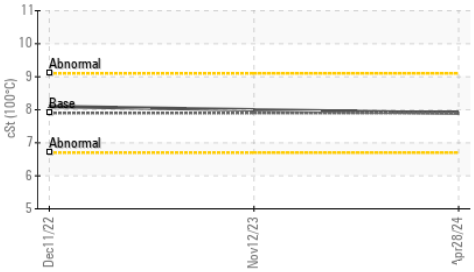
Water (KF)



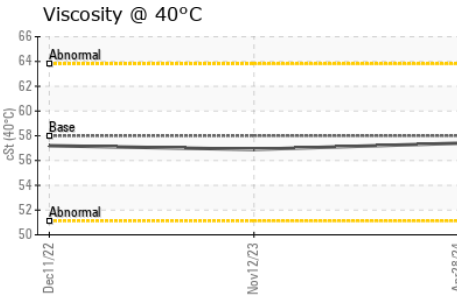

Viscosity @ 100°C



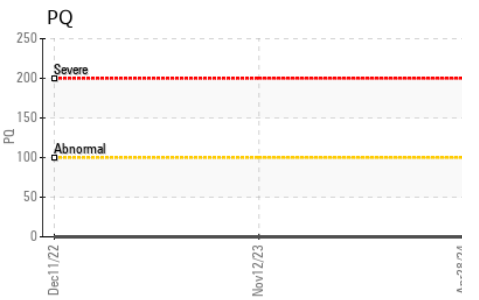

Viscosity @ 100°C




Viscosity @ 40°C




PQ



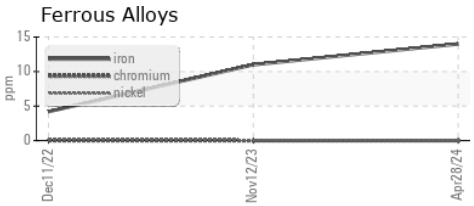

| VISUAL | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| White Metal | scalar | Visual* | NONE | **NONE** | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | **NONE** | NONE | NONE |
| Precipitate | scalar | Visual* | NONE | **NONE** | NONE | NONE |
| Silt | scalar | Visual* | NONE | **NONE** | NONE | NONE |
| Debris | scalar | Visual* | NONE | **NONE** | VLITE | 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* | >0.1 | **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) | 58 | **57.4** | 56.9 | 57.2 |
| Visc @ 100°C | cSt | ASTM D7279(m) | 7.9 | **7.9** | 8 | 8.1 |
| Viscosity Index (VI) | Scale | ASTM D2270* | 104 | **102** | 107 | 109 |

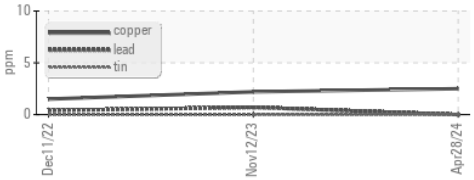
| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|
| Color | | |  | | |
| Bottom | | |  | | |

## GRAPHS

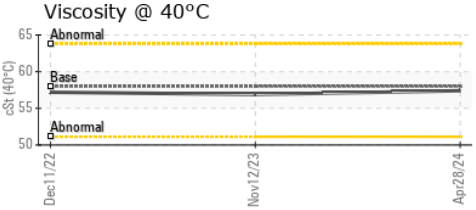
Ferrous Alloys



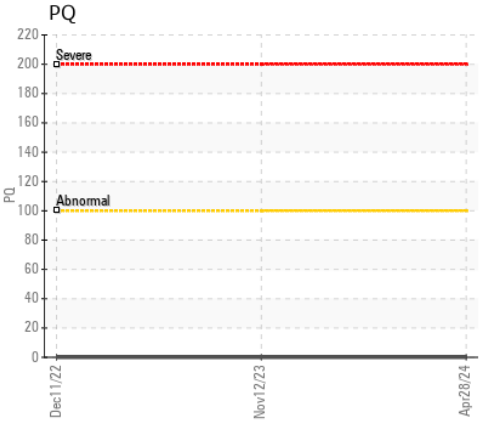

Non-ferrous Metals



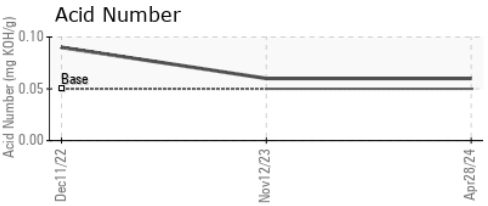

Viscosity @ 40°C




PQ




Acid Number




ISO 17025:2017 Accredited Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
**Sample No.** : PC0081269 **Received** : 03 May 2024
**Lab Number** : 02633124 **Tested** : 06 May 2024
**Unique Number** : 5774277 **Diagnosed** : 06 May 2024 - Wes Davis
**Test Package** : IND 2 ( Additional Tests: KF, KV100, VI )

*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.*

**Labatt - St. John`s Brewery**
60 Leslie Street
St John`s, NL
CA A1E 2V8
Contact: Paul Bowering
paul.bowering@labatt.com
T:
F: (709)579-2018