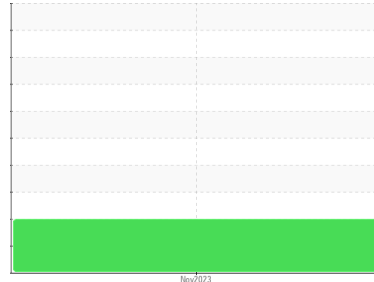




OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Area
METRO WEST MALL [4501224671]
 Machine Id
MYCOM COMP #2 (S/N E650071)
 Component
Reciprocating Compressor
 Fluid
ISEL 4415 68 (--- GAL)

DIAGNOSIS

▲ Recommendation

We recommend an early resample to monitor this condition. Please note we do not have a baseline for this fluid.

Wear

All component wear rates are normal.

▲ Contamination

The elevated moisture content is associated with PAG oils which are hygroscopic, and can absorb moisture from sampling and processing.

▲ Fluid Condition

Viscosity of sample indicates oil is within ISO 46 range, advise investigate. 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 | WC0871344 | --- | --- |
| Sample Date | Client Info | 10 Nov 2023 | --- | --- |
| Machine Age | hrs Client Info | 14334 | --- | --- |
| Oil Age | hrs Client Info | 0 | --- | --- |
| Oil Changed | Client Info | Not Changed | --- | --- |
| Sample Status | | ABNORMAL | --- | --- |

WEAR METALS

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

ADDITIVES

| method | limit/base | current | history1 | history2 |
|------------|-------------------|--------------|----------|----------|
| Boron | ppm ASTM D5185(m) | <1 | --- | --- |
| Barium | ppm ASTM D5185(m) | <1 | --- | --- |
| Molybdenum | ppm ASTM D5185(m) | 0 | --- | --- |
| Manganese | ppm ASTM D5185(m) | 0 | --- | --- |
| Magnesium | ppm ASTM D5185(m) | 0 | --- | --- |
| Calcium | ppm ASTM D5185(m) | 0 | --- | --- |
| Phosphorus | ppm ASTM D5185(m) | 27 | --- | --- |
| Zinc | ppm ASTM D5185(m) | 1 | --- | --- |
| Sulfur | ppm ASTM D5185(m) | 64 | --- | --- |
| Lithium | ppm ASTM D5185(m) | <1 | --- | --- |

CONTAMINANTS

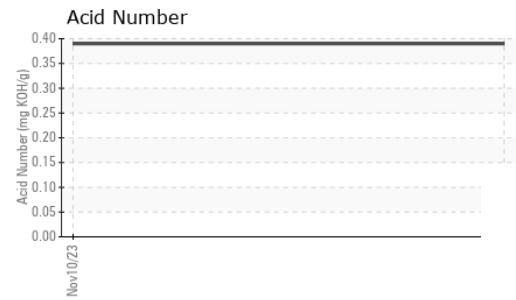
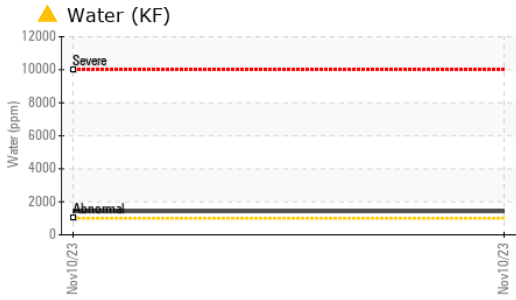
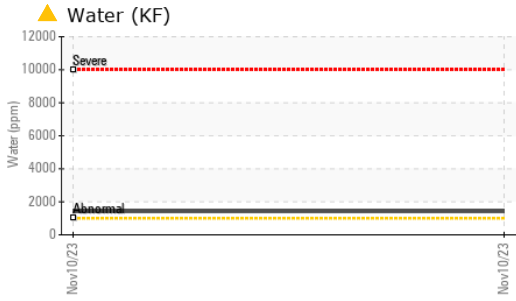
| method | limit/base | current | history1 | history2 |
|-----------|-----------------------|----------------|----------|----------|
| Silicon | ppm ASTM D5185(m) >25 | 2 | --- | --- |
| Sodium | ppm ASTM D5185(m) | 2 | --- | --- |
| Potassium | ppm ASTM D5185(m) >20 | 0 | --- | --- |
| Water | % ASTM D6304* >0.1 | ▲ 0.141 | --- | --- |
| ppm Water | ppm ASTM D6304* >1000 | ▲ 1417 | --- | --- |

FLUID DEGRADATION

| method | limit/base | current | history1 | history2 |
|------------------|---------------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g ASTM D974* | 0.39 | --- | --- |



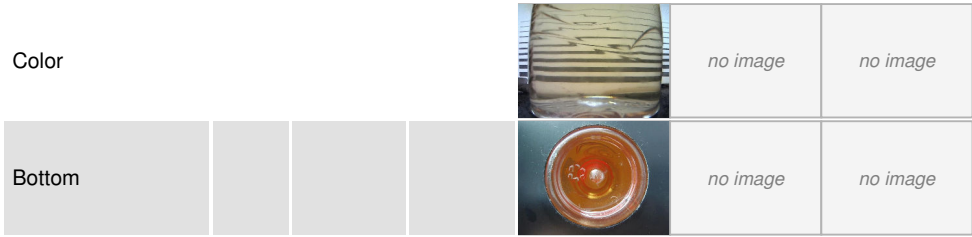
OIL ANALYSIS REPORT



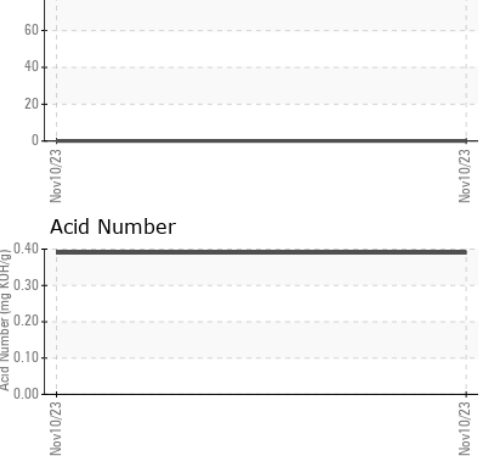
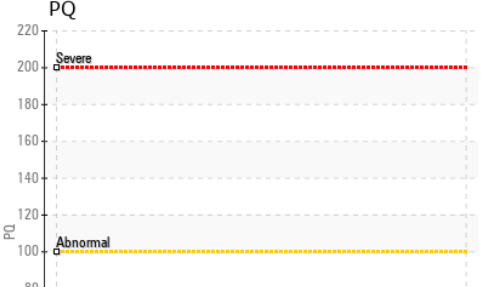
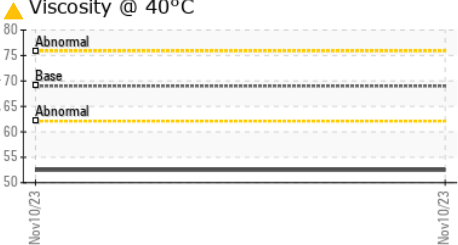
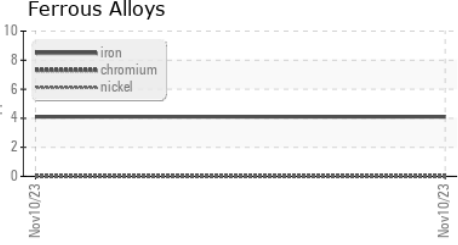
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- |
| Precipitate | scalar | Visual* | NONE | NONE | --- |
| Silt | scalar | Visual* | NONE | NONE | --- |
| Debris | scalar | Visual* | NONE | NONE | --- |
| Sand/Dirt | scalar | Visual* | NONE | VLITE | --- |
| Appearance | scalar | Visual* | NORML | NORML | --- |
| Odor | scalar | Visual* | NORML | NORML | --- |
| Emulsified Water | scalar | Visual* | >0.1 | NEG | --- |
| Free Water | scalar | Visual* | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 69 | ▲ 52.5 | --- |

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



GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
 Sample No. : WC0871344 Recieved : 18 Dec 2023
 Lab Number : 02603840 Diagnosed : 02 Jan 2024
 Unique Number : 5696925 Diagnostician : Bill Quesnel
 Test Package : IND 2 (Additional Tests: KF, TAN Man)

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.

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 DPARISE@ToROMONT.COM
 T: (416)465-7581
 F: (416)465-8815