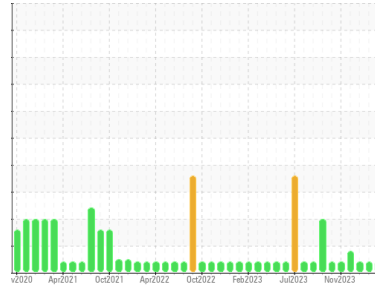




OIL ANALYSIS REPORT

Sample Rating Trend



PH



Area
centre énergétique
 Machine Id
14-1801-03
 Component
3 Screw Compressor
 Fluid
SULLAIR SULLUBE (500 LTR)

DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

Les taux d'usure de tous les composants sont normaux.

Contamination

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La teneur en eau est négligeable. La propreté du système et du fluide est acceptable.

Fluid Condition

Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | WC0912872 | WC0892380 | WC0827938 |
| Sample Date | Client Info | | 11 Mar 2024 | 13 Feb 2024 | 16 Jan 2024 |
| Machine Age | hrs | Client Info | 0 | 5149 | 0 |
| Oil Age | hrs | Client Info | 0 | 0 | 0 |
| Oil Changed | Client Info | | N/A | N/A | N/A |
| Sample Status | | | ABNORMAL | ABNORMAL | ABNORMAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185(m) >60 | 4 | 4 | 3 |
| Chromium | ppm | ASTM D5185(m) >4 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185(m) | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) >5 | <1 | <1 | <1 |
| Lead | ppm | ASTM D5185(m) >10 | 0 | <1 | <1 |
| Copper | ppm | ASTM D5185(m) >30 | 1 | 1 | 1 |
| 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) 12 | <1 | <1 | <1 |
| Barium | ppm | ASTM D5185(m) 500 | 265 | 264 | 262 |
| Molybdenum | ppm | ASTM D5185(m) 0.0 | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | 0 | 0 | 0 |
| Magnesium | ppm | ASTM D5185(m) 0.0 | <1 | <1 | <1 |
| Calcium | ppm | ASTM D5185(m) 8.2 | 5 | 5 | 5 |
| Phosphorus | ppm | ASTM D5185(m) 4.0 | 0 | 0 | 0 |
| Zinc | ppm | ASTM D5185(m) 0.1 | 5 | 6 | 5 |
| Sulfur | ppm | ASTM D5185(m) 240 | 317 | 312 | 303 |
| Lithium | ppm | ASTM D5185(m) | <1 | <1 | <1 |

CONTAMINANTS

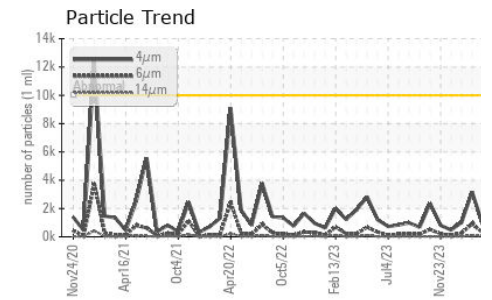
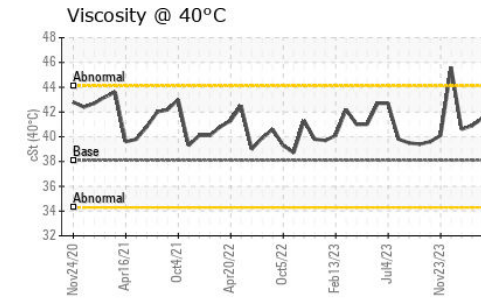
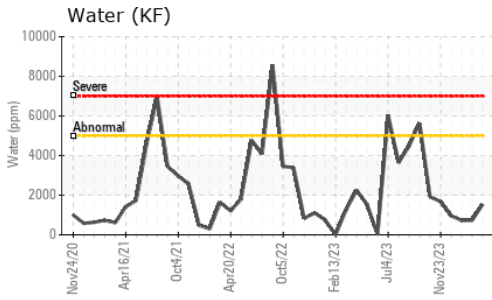
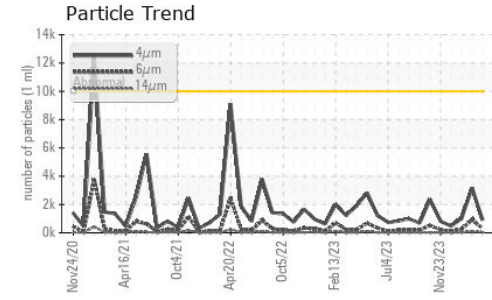
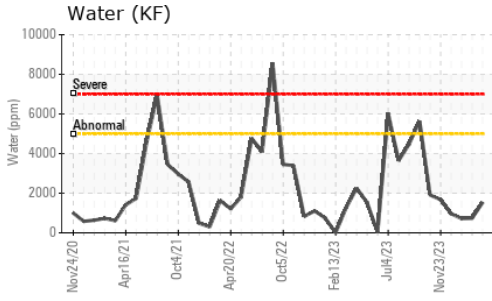
| | method | limit/base | current | history1 | history2 |
|-----------|--------|-------------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185(m) >50 | <1 | 1 | 1 |
| Sodium | ppm | ASTM D5185(m) | 37 | 45 | 51 |
| Potassium | ppm | ASTM D5185(m) >20 | 7 | 8 | 6 |
| Water | % | ASTM D6304* >0.5 | 0.153 | 0.073 | 0.071 |
| ppm Water | ppm | ASTM D6304* >5000 | 1536 | 733 | 714 |

FLUID CLEANLINESS

| | method | limit/base | current | history1 | history2 |
|-----------------|--------------|------------|-----------------|----------|----------|
| Particles >4µm | ASTM D7647 | >10000 | 907 | 3178 | 1013 |
| Particles >6µm | ASTM D7647 | >2500 | 302 | 922 | 266 |
| Particles >14µm | ASTM D7647 | >320 | 38 | 86 | 28 |
| Particles >21µm | ASTM D7647 | >80 | 12 | 22 | 7 |
| Particles >38µm | ASTM D7647 | >20 | 1 | 1 | 0 |
| Particles >71µm | ASTM D7647 | >4 | 0 | 0 | 0 |
| Oil Cleanliness | ISO 4406 (c) | >20/18/15 | 17/15/12 | 19/17/14 | 17/15/12 |



OIL ANALYSIS REPORT



| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|-------------------|----------|------------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D974* | 0.06 | 0.79 | 0.55 | 0.89 |

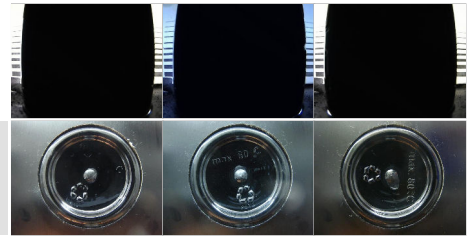
| VISUAL | | method | limit/base | current | history1 | history2 |
|------------------|--------|---------|------------|--------------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | NONE |
| Precipitate | scalar | Visual* | NONE | NONE | NONE | NONE |
| Silt | scalar | Visual* | NONE | NONE | NONE | NONE |
| Debris | scalar | Visual* | NONE | NONE | NONE | 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* | >0.5 | NEG | NEG | NEG |
| Free Water | scalar | Visual* | | NEG | NEG | NEG |

| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
|------------------|------------|---------------|------------|---------------|----------|----------|
| pH | Scale 0-14 | ASTM D1287* | | ▲ 2.81 | ▲ 5.56 | ▲ 4.34 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 38.1 | 41.5 | 40.9 | 40.6 |

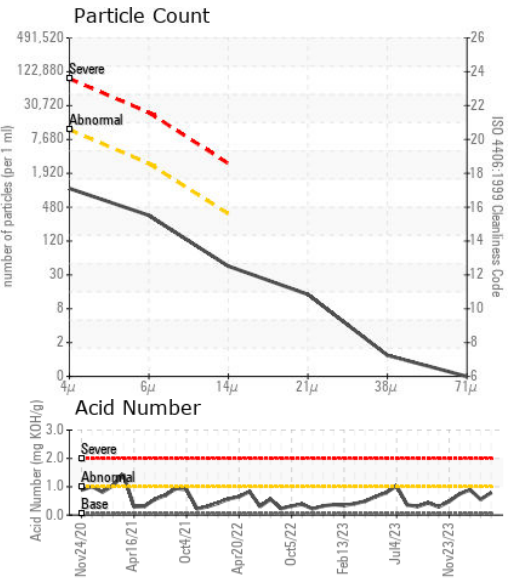
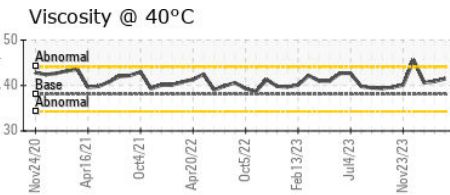
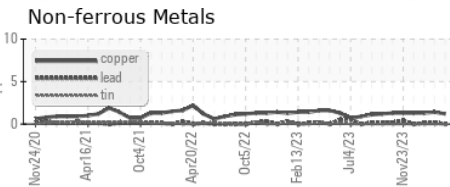
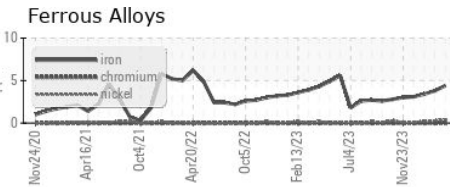
| SAMPLE IMAGES | | method | limit/base | current | history1 | history2 |
|---------------|--|--------|------------|---------|----------|----------|
|---------------|--|--------|------------|---------|----------|----------|

Color

Bottom



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0912872 **Received** : 15 Mar 2024
Lab Number : **02622355** **Tested** : 19 Mar 2024
Unique Number : 5747474 **Diagnosed** : 19 Mar 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: KF, pH, 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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