



PROBLEM SUMMARY

Area
Chem-Ecol
 Machine Id
A2310079
 Component
Unknown Component
 Fluid
CHEM-ECOL LUBECUT 101 (--- GAL)

Sample Rating Trend

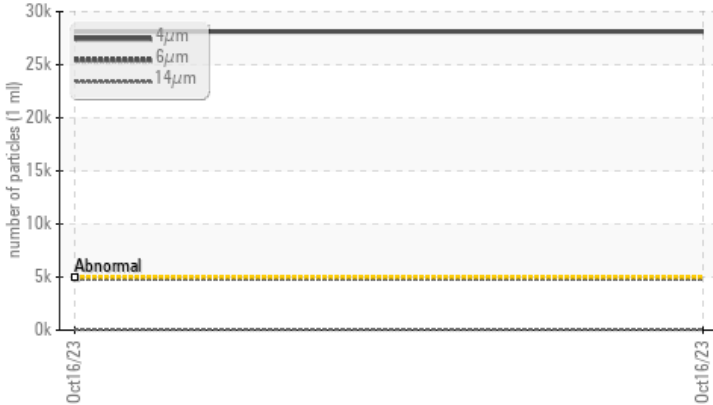


ISO



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

This is a baseline read-out on the submitted sample.

PROBLEMATIC TEST RESULTS

| Sample Status | | | ABNORMAL | --- | --- |
|-----------------|--------------|-----------|-------------------|-----|-----|
| Particles >4µm | ASTM D7647 | >5000 | ▲ 28116 | --- | --- |
| Particles >6µm | ASTM D7647 | >1300 | ▲ 4888 | --- | --- |
| Oil Cleanliness | ISO 4406 (c) | >19/17/14 | ▲ 22/19/13 | --- | --- |

Customer Id: CHECOB
 Sample No.: E30000520
 Lab Number: 02590069
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
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RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
Chem-Ecol
 Machine Id
A2310079
 Component
Unknown Component
 Fluid
CHEM-ECOL LUBECUT 101 (--- GAL)

DIAGNOSIS

▲ Recommendation

This is a baseline read-out on the submitted sample.

Wear

{not applicable}

▲ Contamination

Particles >4µm are abnormally high. Particles >6µm and oil cleanliness are abnormally high.

Fluid Condition

{not applicable}

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|------------------|-------------|-------------|--------------------|----------|----------|
| Batch # | Client Info | | A2310079 | --- | --- |
| Machine ID | Client Info | | A2310079 | --- | --- |
| Department | Client Info | | Production | --- | --- |
| Production Stage | Client Info | | Final | --- | --- |
| Sent to WC | Client Info | | 10/16/2023 | --- | --- |
| Sample Number | Client Info | | E30000520 | --- | --- |
| Sample Date | Client Info | | 16 Oct 2023 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | N/A | --- | --- |
| Sample Status | | | ABNORMAL | --- | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|---------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185(m) | 5 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | <1 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | <1 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | 2 | --- | --- |
| Lead | ppm | ASTM D5185(m) | 2 | --- | --- |
| Copper | ppm | ASTM D5185(m) | 5 | --- | --- |
| Tin | ppm | ASTM D5185(m) | 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 | --- | --- |

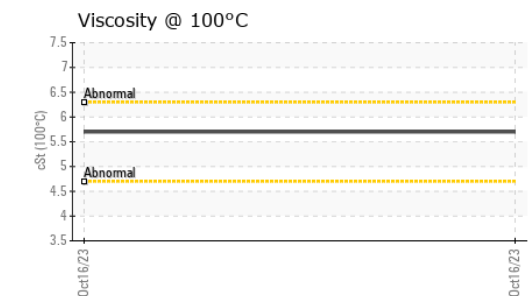
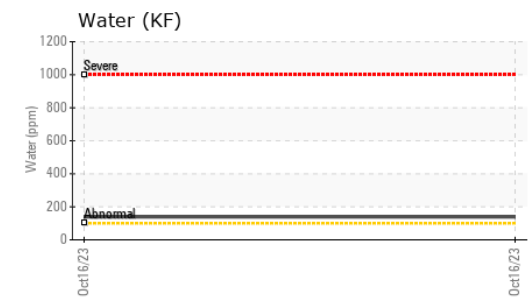
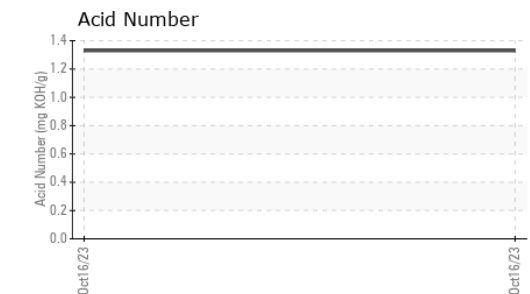
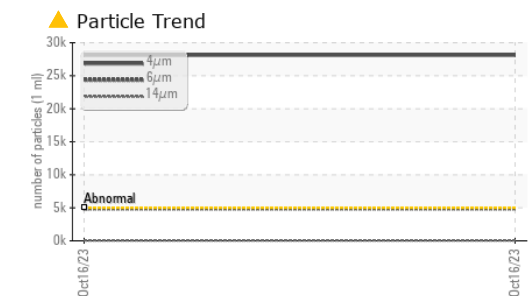
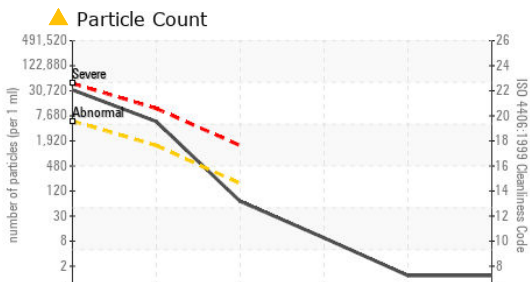
ADDITIVES

| | 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) | 176 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 1847 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | 617 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 776 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 1915 | --- | --- |
| Lithium | ppm | ASTM D5185(m) | <1 | --- | --- |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-------------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185(m) | 3 | --- | --- |
| Sodium | ppm | ASTM D5185(m) | 5 | --- | --- |
| Potassium | ppm | ASTM D5185(m) >20 | <1 | --- | --- |
| Water | % | ASTM D6304* | 0.013 | --- | --- |
| ppm Water | ppm | ASTM D6304* | 138.8 | --- | --- |

OIL ANALYSIS REPORT



| FLUID CLEANLINESS | method | limit/base | current | history1 | history2 |
|-------------------|--------------|------------|------------|----------|----------|
| Particles >4µm | ASTM D7647 | >5000 | ▲ 28116 | --- | --- |
| Particles >6µm | ASTM D7647 | >1300 | ▲ 4888 | --- | --- |
| Particles >14µm | ASTM D7647 | >160 | 60 | --- | --- |
| Particles >21µm | ASTM D7647 | >40 | 8 | --- | --- |
| Particles >38µm | ASTM D7647 | >10 | 1 | --- | --- |
| Particles >71µm | ASTM D7647 | >3 | 1 | --- | --- |
| Oil Cleanliness | ISO 4406 (c) | >19/17/14 | ▲ 22/19/13 | --- | --- |

| FLUID DEGRADATION | method | limit/base | current | history1 | history2 |
|-------------------|----------|------------|---------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D974* | 1.33 | --- | --- |

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

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|----------------------|--------|---------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 32 | 30.5 | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | | 5.7 | --- |
| Viscosity Index (VI) | Scale | ASTM D2270* | | 129 | --- |

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

| | | | | | |
|--------|--|--|--|----------|----------|
| Color | | | | no image | no image |
| Bottom | | | | no image | no image |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30000520 **Received** : 18 Oct 2023
Lab Number : 02590069 **Diagnosed** : 20 Oct 2023
Unique Number : 5659135 **Diagnostician** : Tatiana Sorkina
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, TAN Man, VI)

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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.