



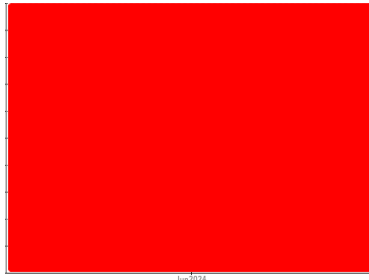
PROBLEM SUMMARY

Sample Rating Trend

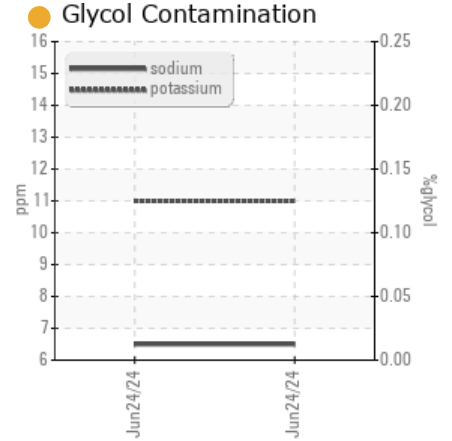
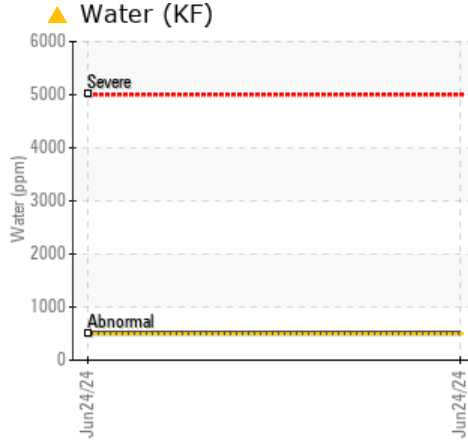
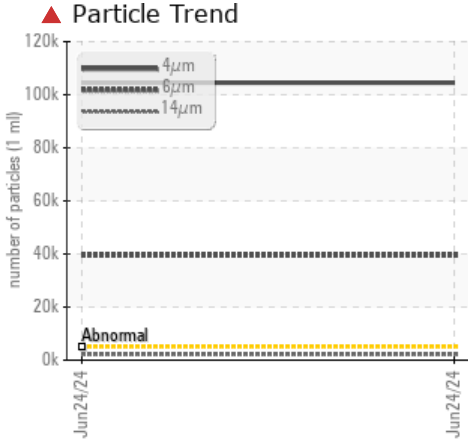
ISO



Area
Aalbers Tool & Mold - 888093
 Machine Id
RB039
 Component
Hydraulic System
 Fluid
ACTIVELUBE HYD ISO 32 (--- GAL)



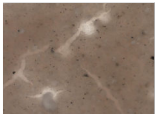
COMPONENT CONDITION SUMMARY



RECOMMENDATION

The sample submitted is 32 times dirtier than the ISO dirt count recommendation of 19/16/14.

PROBLEMATIC TEST RESULTS

| Sample Status | % | ASTM D6304* | > | SEVERE | --- | --- |
|-----------------|-----|--------------|-----------|---|----------|----------|
| Water | % | ASTM D6304* | >0.05 | ▲ 0.050 | --- | --- |
| ppm Water | ppm | ASTM D6304* | >500 | ▲ 508 | --- | --- |
| Particles >4µm | | ASTM D7647 | >5000 | ▲ 104511 | --- | --- |
| Particles >6µm | | ASTM D7647 | >640 | ▲ 39430 | --- | --- |
| Particles >14µm | | ASTM D7647 | >160 | ▲ 2143 | --- | --- |
| Particles >21µm | | ASTM D7647 | >40 | ▲ 461 | --- | --- |
| Particles >38µm | | ASTM D7647 | >10 | ▲ 34 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >19/16/14 | ▲ 24/22/18 | --- | --- |
| PrtFilter | | | |  | no image | no image |

Customer Id: CHECOB
 Sample No.: E30002525
 Lab Number: 02645460
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Tatiana Sorkina +1 (800)263-3939
tsorkina@e360s.ca

To change component or sample information:
 Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

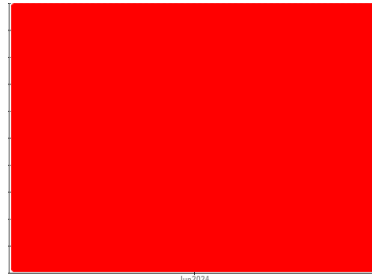


OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area
Aalbers Tool & Mold - 888093
 Machine Id
RB039
 Component
Hydraulic System
 Fluid
ACTIVELUBE HYD ISO 32 (--- GAL)



DIAGNOSIS

▲ Recommendation

The sample submitted is 32 times dirtier than the ISO dirt count recommendation of 19/16/14.

▲ Contamination

Particles >14µm are severely high. Particles >21µm are severely high. Particles >6µm are severely high. Particles >4µm are severely high. Oil Cleanliness are severely high. Water and ppm water contamination levels are abnormal. Particles >38µm are abnormally high. Potassium ppm levels are notably high.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|------------------|-------------|-------------|--------------------|----------|----------|
| Machine ID | Client Info | | 506 | --- | --- |
| Department | Client Info | | Sales | --- | --- |
| Sample From | Client Info | | Machine | --- | --- |
| Production Stage | Client Info | | Initial | --- | --- |
| Sent to WC | Client Info | | 06/28/2024 | --- | --- |
| Sample Number | Client Info | | E30002525 | --- | --- |
| Sample Date | Client Info | | 24 Jun 2024 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | N/A | --- | --- |
| Sample Status | | | SEVERE | --- | --- |

WEAR METALS

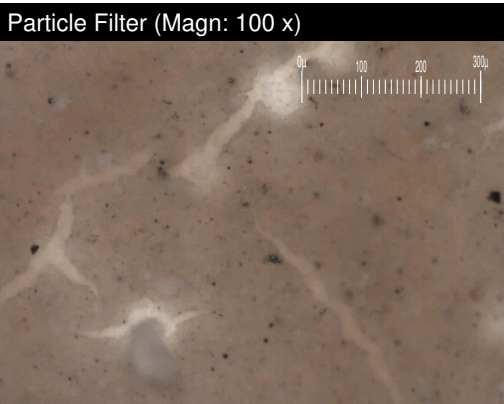
| | method | limit/base | current | history1 | history2 |
|-----------|--------|-------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185(m) >20 | 1 | --- | --- |
| Chromium | ppm | ASTM D5185(m) >20 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) >20 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) >20 | <1 | --- | --- |
| Lead | ppm | ASTM D5185(m) >20 | 0 | --- | --- |
| Copper | ppm | ASTM D5185(m) >20 | 1 | --- | --- |
| Tin | ppm | ASTM D5185(m) >20 | <1 | --- | --- |
| 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

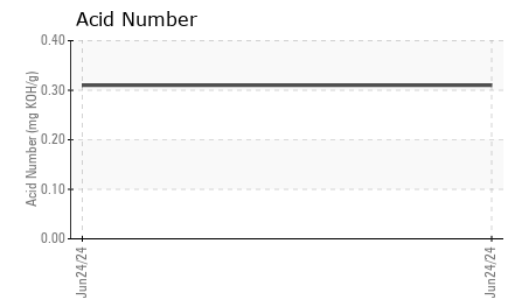
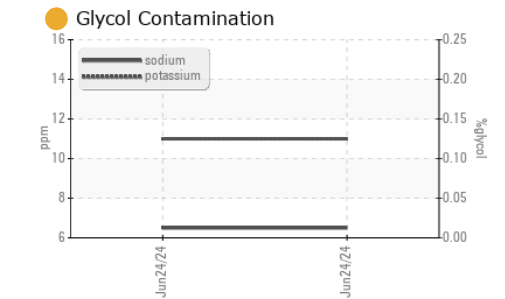
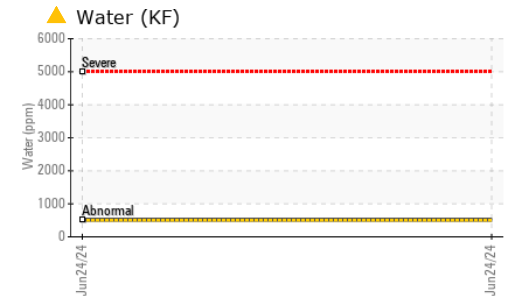
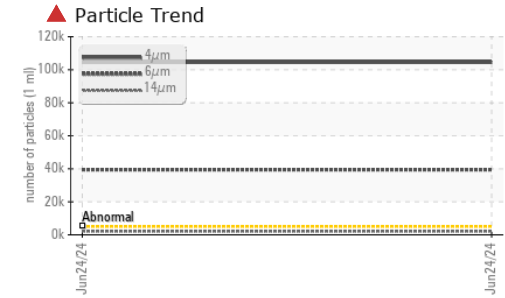
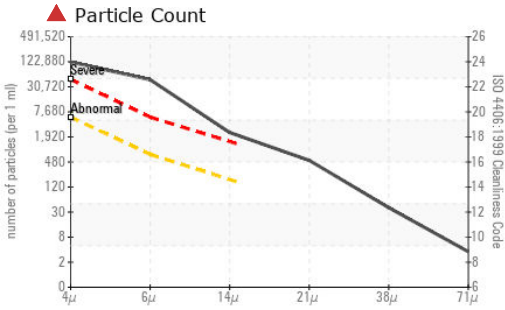
| | method | limit/base | current | history1 | history2 |
|------------|--------|---------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185(m) | <1 | --- | --- |
| Barium | ppm | ASTM D5185(m) | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | 0 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | 7 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 33 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | 311 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 292 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 912 | --- | --- |
| Lithium | ppm | ASTM D5185(m) | <1 | --- | --- |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-------------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185(m) >15 | 0 | --- | --- |
| Sodium | ppm | ASTM D5185(m) | 6 | --- | --- |
| Potassium | ppm | ASTM D5185(m) >20 | 11 | --- | --- |
| Water | % | ASTM D6304* >0.05 | 0.050 | --- | --- |
| ppm Water | ppm | ASTM D6304* >500 | 508 | --- | --- |



OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30002525
Lab Number : 02645460
Unique Number : 5802999
Test Package : IND 2 (Additional Tests: Bottom, BottomAnalysis, FilterPatch, KF, KV100, PrtFilter, PrtFilterPatch)

Environmental 360 Solutions Ltd.
 640 Victoria Street
 Cobourg, ON
 CA K9A 5H5
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 tsorkina@e360s.ca
 T: (800)263-3939
 F: (905)373-4950

To discuss this sample report, contact Customer Service at 1-905-372-2251.
 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.

| FLUID CLEANLINESS | method | limit/base | current | history1 | history2 |
|-------------------|--------------|------------|------------|----------|----------|
| Particles >4µm | ASTM D7647 | >5000 | ▲ 104511 | --- | --- |
| Particles >6µm | ASTM D7647 | >640 | ▲ 39430 | --- | --- |
| Particles >14µm | ASTM D7647 | >160 | ▲ 2143 | --- | --- |
| Particles >21µm | ASTM D7647 | >40 | ▲ 461 | --- | --- |
| Particles >38µm | ASTM D7647 | >10 | ▲ 34 | --- | --- |
| Particles >71µm | ASTM D7647 | >3 | 3 | --- | --- |
| Oil Cleanliness | ISO 4406 (c) | >19/16/14 | ▲ 24/22/18 | --- | --- |

| FLUID DEGRADATION | method | limit/base | current | history1 | history2 |
|-------------------|----------|------------|---------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D974* | 0.31 | --- | --- |

| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | VLITE | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- |
| Precipitate | scalar | Visual* | NONE | NONE | --- |
| Silt | scalar | Visual* | NONE | NONE | --- |
| Debris | scalar | Visual* | NONE | VLITE | --- |
| Sand/Dirt | scalar | Visual* | NONE | VLITE | --- |
| Appearance | scalar | Visual* | NORML | NORML | --- |
| Odor | scalar | Visual* | NORML | NORML | --- |
| Emulsified Water | scalar | Visual* | >0.05 | NEG | --- |
| Free Water | scalar | Visual* | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|----------------------|--------|---------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 34.0 | --- | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | 6.2 | --- | --- |
| Viscosity Index (VI) | Scale | ASTM D2270* | 132 | --- | --- |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
| Color | | | | no image | no image |
| Bottom | | | | no image | no image |
| PrtFilter | | | | no image | no image |