



Machine Id
CATERPILLAR CC34 2101103
Component
Hydraulic System
Fluid
H56 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

WEAR

All component wear rates are normal.

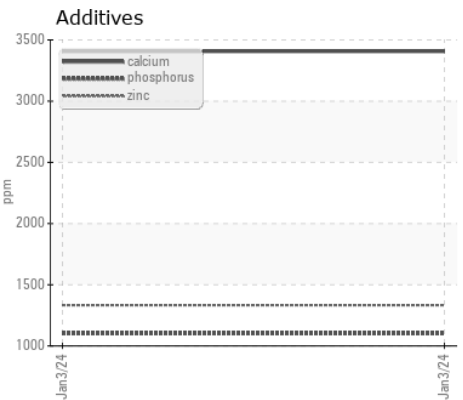
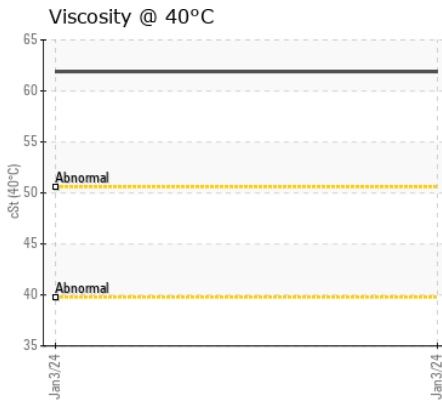
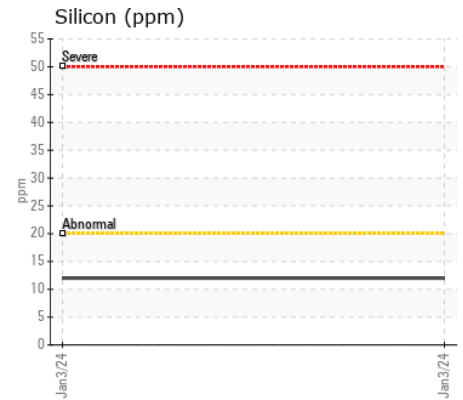
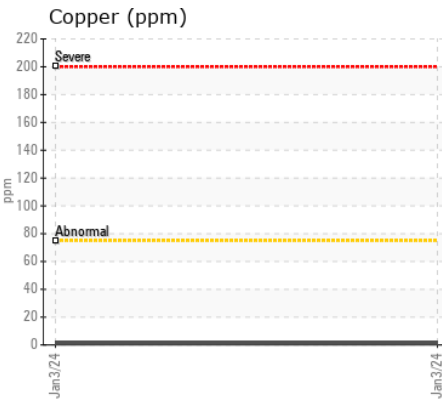
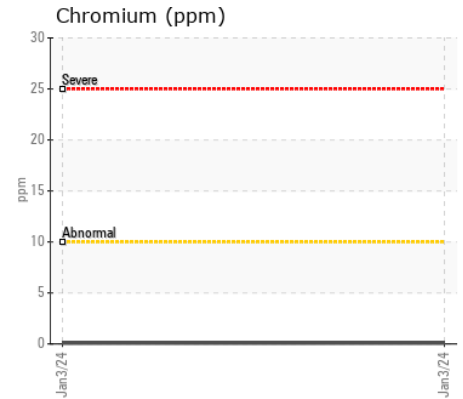
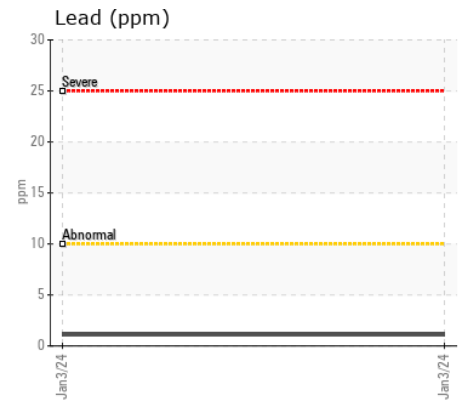
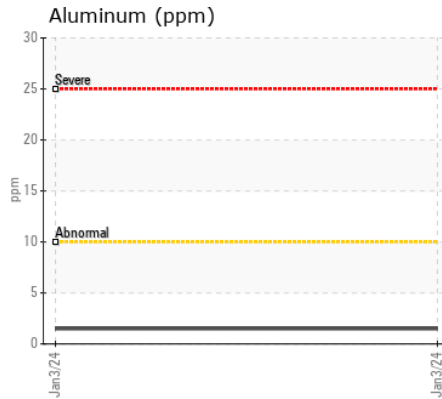
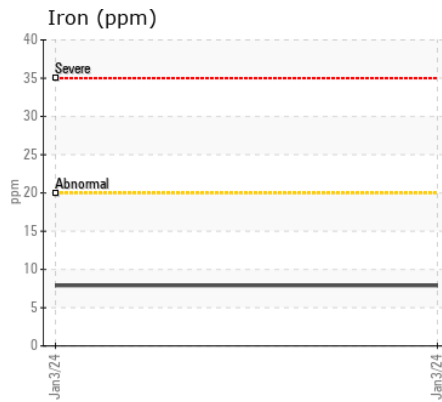
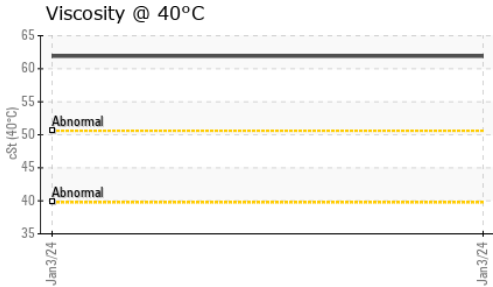
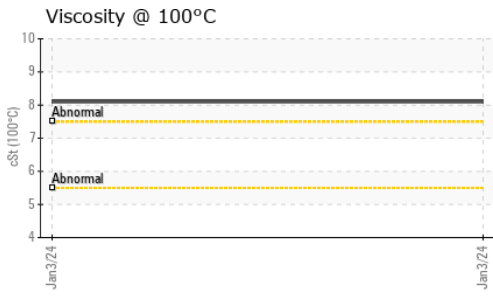
CONTAMINATION

There is no indication of any contamination in the component(unconfirmed).

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------------|--------|---------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | PC0072501 | --- | --- |
| Sample Date | | Client Info | | 03 Jan 2024 | --- | --- |
| Machine Age | kms | Client Info | | 4460 | --- | --- |
| Oil Age | kms | Client Info | | 500 | --- | --- |
| Filter Age | kms | Client Info | | 500 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |
| Iron | ppm | ASTM D5185(m) | >20 | 8 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >10 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >10 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >10 | 2 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >10 | 1 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >75 | 1 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| White Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- | --- |
| Silicon | ppm | ASTM D5185(m) | >20 | 12 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | --- | --- |
| Water | | WC Method | >0.1 | NEG | --- | --- |
| Silt | scalar | Visual* | NONE | NONE | --- | --- |
| Debris | scalar | Visual* | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | --- | --- |
| Appearance | scalar | Visual* | NORML | NORML | --- | --- |
| Odor | scalar | Visual* | NORML | NORML | --- | --- |
| Emulsified Water | scalar | Visual* | >0.1 | NEG | --- | --- |
| Sodium | ppm | ASTM D5185(m) | | 2 | --- | --- |
| Boron | ppm | ASTM D5185(m) | | 92 | --- | --- |
| Barium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 2 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | | 35 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | | 3407 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | | 1102 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | | 1333 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | | 7416 | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | | 61.9 | --- | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | | 8.1 | --- | --- |
| Viscosity Index (VI) | Scale | ASTM D2270* | | 97 | --- | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0072501 **Received** : 12 Jan 2024
Lab Number : 02608586 **Diagnosed** : 15 Jan 2024
Unique Number : 5709672 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: 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.

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