



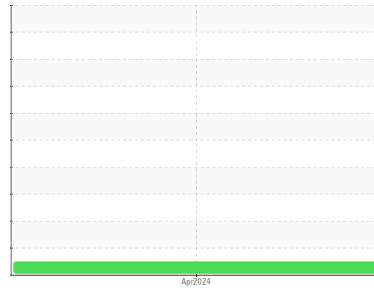
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
MINING
Machine Id
ME-80 CATERPILLAR 740B T4S00327
Component
Rear Differential
Fluid
SAE 50W (11 GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | | WC0908961 | --- | --- |
| Sample Date | Client Info | | 02 Apr 2024 | --- | --- |
| Machine Age | hrs | Client Info | 12779 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | Not Chngd | --- | --- |
| Sample Status | | | NORMAL | --- | --- |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >.2 | NEG | --- | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >500 | 104 | --- | --- |
| Chromium | ppm | ASTM D5185m >3 | 1 | --- | --- |
| Nickel | ppm | ASTM D5185m >3 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m >2 | <1 | --- | --- |
| Silver | ppm | ASTM D5185m >2 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m >30 | 5 | --- | --- |
| Lead | ppm | ASTM D5185m >13 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m >103 | 17 | --- | --- |
| Tin | ppm | ASTM D5185m >5 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | <1 | --- | --- |
| Cadmium | ppm | ASTM D5185m | 0 | --- | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 15 | --- | --- |
| Barium | ppm | ASTM D5185m | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 2 | --- | --- |
| Manganese | ppm | ASTM D5185m | 2 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 15 | --- | --- |
| Calcium | ppm | ASTM D5185m | 3190 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 1131 | --- | --- |
| Zinc | ppm | ASTM D5185m | 1203 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 14481 | --- | --- |

CONTAMINANTS

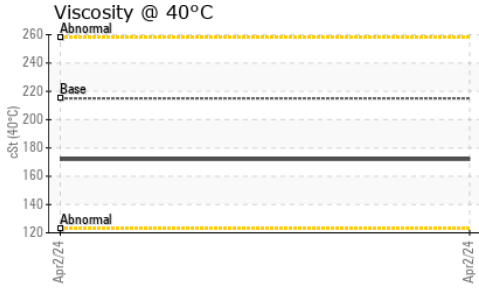
| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|-----------|----------|----------|
| Silicon | ppm | ASTM D5185m >100 | 15 | --- | --- |
| Sodium | ppm | ASTM D5185m | 6 | --- | --- |
| Potassium | ppm | ASTM D5185m >20 | 4 | --- | --- |

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 | NONE | --- | --- |
| Appearance | scalar | *Visual NORML | NORML | --- | --- |
| Odor | scalar | *Visual NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual >.2 | NEG | --- | --- |
| Free Water | scalar | *Visual | NEG | --- | --- |



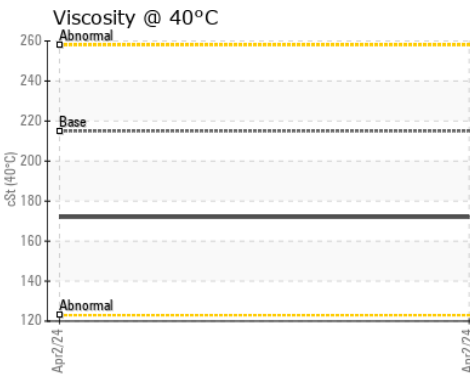
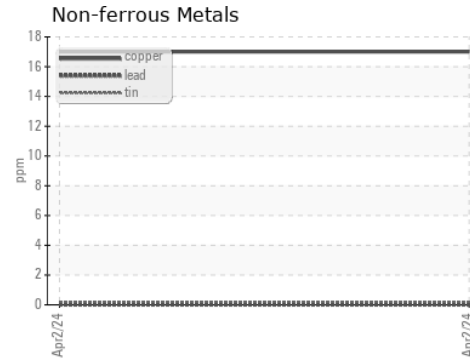
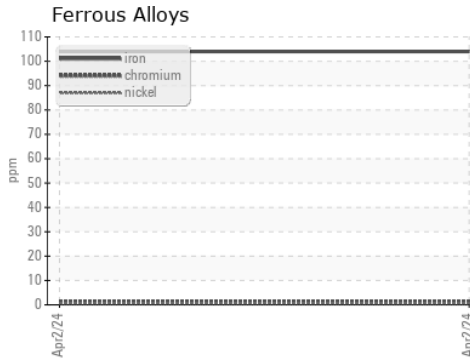
OIL ANALYSIS REPORT



| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
|------------------|-----|-----------|------------|------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 215 | 172 | --- | --- |

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0908961 **Received** : 08 Apr 2024
Lab Number : 06141778 **Tested** : 09 Apr 2024
Unique Number : 10966586 **Diagnosed** : 10 Apr 2024 - Don Baldrige
Test Package : CONST

COVIA - GUION - 025
 421 MAIN STREET
 GUION, AR
 US 72540

Contact: DANIEL DELGADO
 daniel.delgado@coviacorp.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: