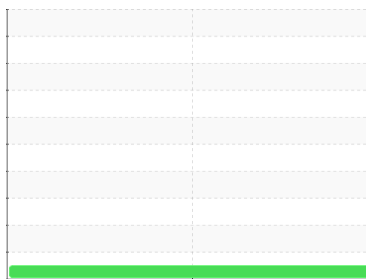




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
JCB 550-80 257469 (S/N 2083965)
 Component
Transmission (Manual)
 Fluid
JCB EP 10 (5 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 fluid.

Fluid Condition

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

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-----------------|--------------------|----------|----------|
| Sample Number | Client Info | JCB005497 | --- | --- |
| Sample Date | Client Info | 10 Jul 2024 | --- | --- |
| Machine Age | hrs Client Info | 9822 | --- | --- |
| Oil Age | hrs Client Info | 4337 | --- | --- |
| Oil Changed | Client Info | Changed | --- | --- |
| Sample Status | | NORMAL | --- | --- |

CONTAMINATION

| method | limit/base | current | history1 | history2 |
|--------|----------------|------------|----------|----------|
| Water | WC Method >0.1 | NEG | --- | --- |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|----------|----------------------|--------------|----------|----------|
| PQ | ASTM D8184 >95 | 30 | --- | --- |
| Iron | ppm ASTM D5185m >200 | 115 | --- | --- |
| Chromium | ppm ASTM D5185m >5 | <1 | --- | --- |
| Nickel | ppm ASTM D5185m >5 | <1 | --- | --- |
| Titanium | ppm ASTM D5185m | 2 | --- | --- |
| Silver | ppm ASTM D5185m >7 | 0 | --- | --- |
| Aluminum | ppm ASTM D5185m >25 | 6 | --- | --- |
| Lead | ppm ASTM D5185m >45 | 36 | --- | --- |
| Copper | ppm ASTM D5185m >225 | 121 | --- | --- |
| Tin | ppm ASTM D5185m >10 | 1 | --- | --- |
| Vanadium | ppm ASTM D5185m | 0 | --- | --- |
| Cadmium | ppm ASTM D5185m | <1 | --- | --- |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|------------|-----------------|-------------|----------|----------|
| Boron | ppm ASTM D5185m | 68 | --- | --- |
| Barium | ppm ASTM D5185m | 0 | --- | --- |
| Molybdenum | ppm ASTM D5185m | 2 | --- | --- |
| Manganese | ppm ASTM D5185m | 3 | --- | --- |
| Magnesium | ppm ASTM D5185m | 22 | --- | --- |
| Calcium | ppm ASTM D5185m | 3137 | --- | --- |
| Phosphorus | ppm ASTM D5185m | 1112 | --- | --- |
| Zinc | ppm ASTM D5185m | 1265 | --- | --- |
| Sulfur | ppm ASTM D5185m | 3970 | --- | --- |

CONTAMINANTS

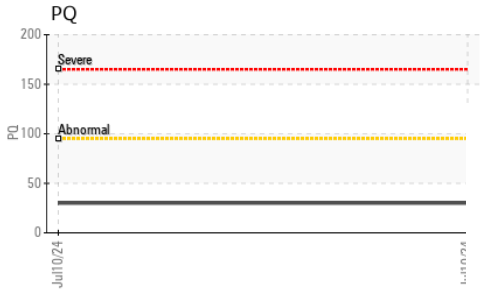
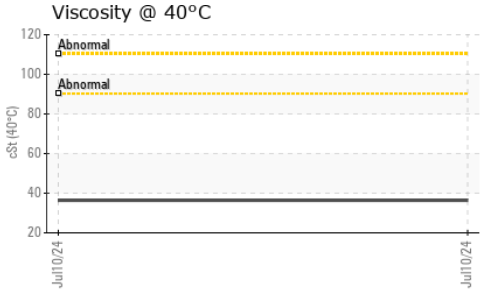
| method | limit/base | current | history1 | history2 |
|-----------|----------------------|-----------|----------|----------|
| Silicon | ppm ASTM D5185m >125 | 13 | --- | --- |
| Sodium | ppm ASTM D5185m | 2 | --- | --- |
| Potassium | ppm ASTM D5185m >20 | 3 | --- | --- |

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 >0.1 | NEG | --- | --- |
| Free Water | scalar *Visual | NEG | --- | --- |



OIL ANALYSIS REPORT



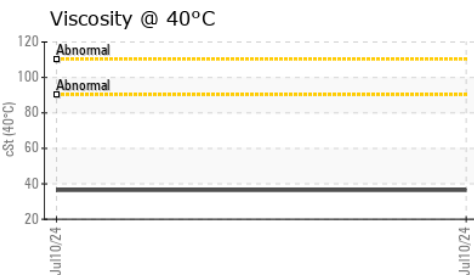
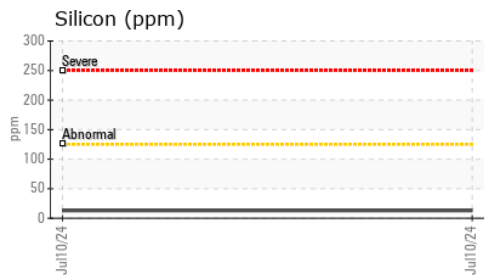
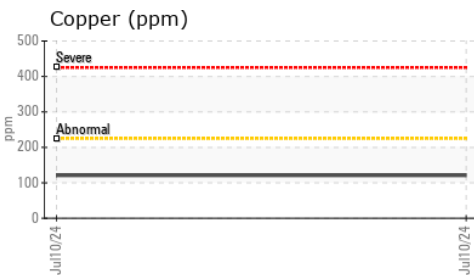
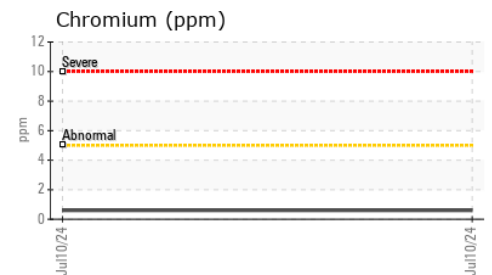
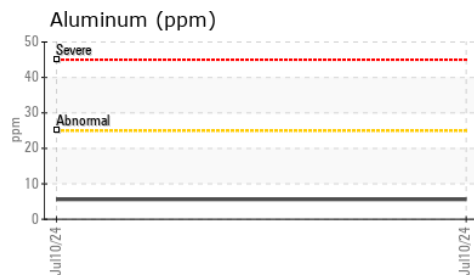
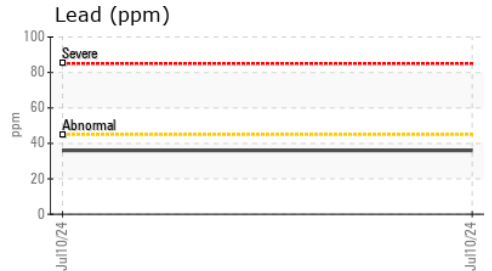
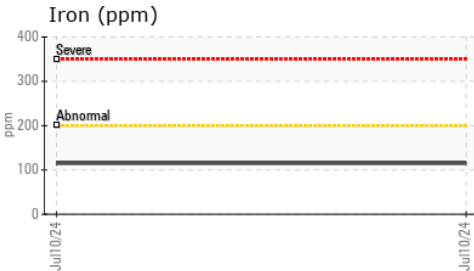
FLUID PROPERTIES

| Property | Method | Limit/Base | Current | History1 | History2 |
|-------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 36.4 | --- | --- |

SAMPLE IMAGES

| Property | Method | Limit/Base | Current | History1 | History2 |
|----------|--------|------------|---------|----------|----------|
| Color | | | | no image | no image |
| Bottom | | | | no image | no image |

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JCB005497 **Received** : 15 Jul 2024
Lab Number : 06236472 **Tested** : 17 Jul 2024
Unique Number : 11125306 **Diagnosed** : 17 Jul 2024 - Jonathan Hester
Test Package : MOB 1 (Additional Tests: PQ)

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 MIFFLINTOWN, PA
 US 17059
 Contact: RALPH SANER
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 F: (717)463-2312

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)