



OIL ANALYSIS REPORT

| | |
|-----------------|-----------------|
| WEAR | MARGINAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |



Area
Off Road
Machine Id
Caterpillar 730 AD410 (S/N OAGF00691)
Component
Transmission (Manual)
Fluid
DURALENE Dura-Trans TO-4 30 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0675151 | WC0615307 | WC0395387 |
| Sample Date | | Client Info | | 10 Nov 2023 | 25 Mar 2022 | 07 May 2020 |
| Machine Age | hrs | Client Info | | 17605 | 17240 | 16824 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Filter Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Sample Status | | | | MARGINAL | MARGINAL | MARGINAL |

WEAR

The copper level is abnormal. All other component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|--------------|--------------|
| Iron | ppm | ASTM D5185m | >200 | 11 | 8 | 8 |
| Chromium | ppm | ASTM D5185m | >5 | <1 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | >5 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Silver | ppm | ASTM D5185m | >7 | 5 | 6 | 5 |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | <1 | <1 |
| Lead | ppm | ASTM D5185m | >45 | 2 | 2 | 3 |
| Copper | ppm | ASTM D5185m | >225 | ▲ 355 | ▲ 313 | ▲ 265 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

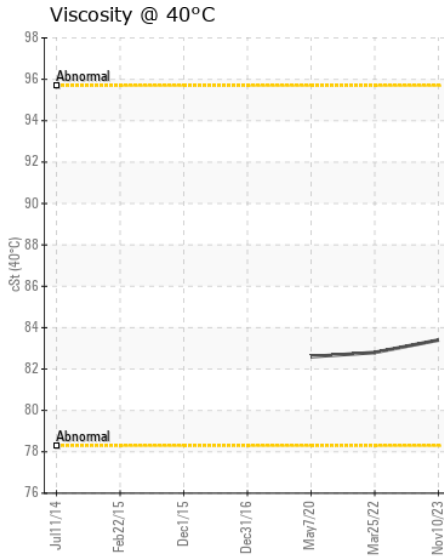
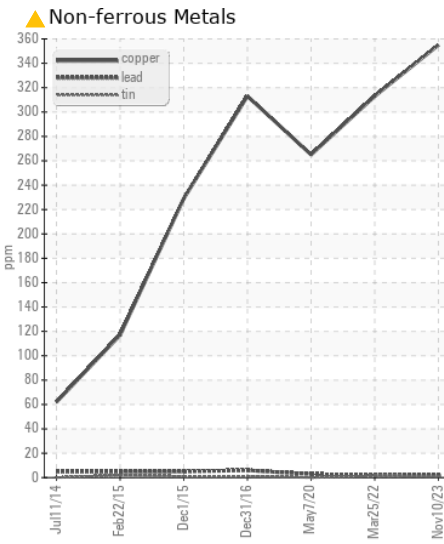
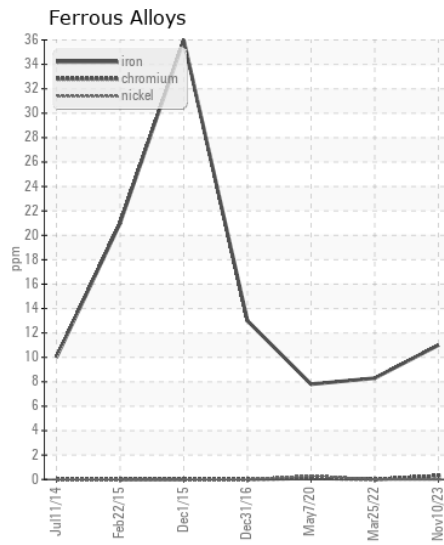
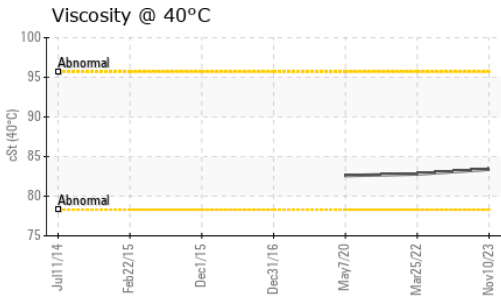
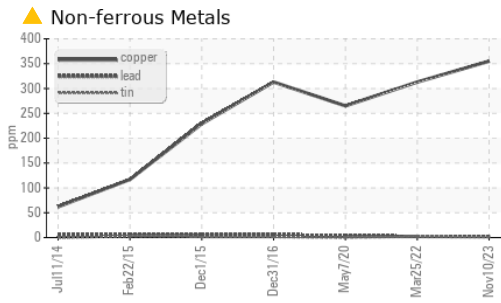
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >125 | 7 | 6 | 6 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | 3 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|--|-------------|------|------|
| Sodium | ppm | ASTM D5185m | | 0 | 4 | 3 |
| Boron | ppm | ASTM D5185m | | 3 | 6 | 5 |
| Barium | ppm | ASTM D5185m | | 3 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 1 | 2 | 2 |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 24 | 25 | 24 |
| Calcium | ppm | ASTM D5185m | | 3672 | 3833 | 3863 |
| Phosphorus | ppm | ASTM D5185m | | 918 | 841 | 802 |
| Zinc | ppm | ASTM D5185m | | 1046 | 905 | 1008 |
| Sulfur | ppm | ASTM D5185m | | 5348 | 3862 | 3605 |
| Visc @ 40°C | cSt | ASTM D445 | | 83.4 | 82.8 | 82.6 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0675151 **Received** : 17 Jan 2024
Lab Number : 06063223 **Diagnosed** : 19 Jan 2024
Unique Number : 10834605 **Diagnostician** : Don Baldrige
Test Package : CONST

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)

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