

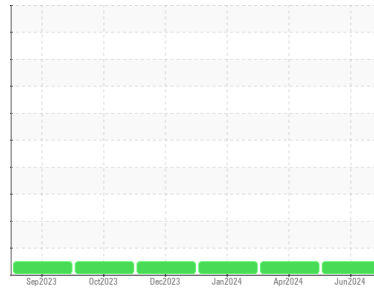


OIL ANALYSIS REPORT



Machine Id
CATERPILLAR D6 LGP 10040 (S/N KEW01159)
 Component
Transmission (Manual)
 Fluid
TDTO FLUID SAE 30 (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.
 Please specify the brand, type, and viscosity of the oil on your next sample.

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 | | | WC0888096 | WC0888009 | WC0887999 |
| Sample Date | Client Info | | | 04 Jun 2024 | 10 Apr 2024 | 22 Jan 2024 |
| Machine Age | hrs | Client Info | | 3706 | 3050 | 2620 |
| Oil Age | hrs | Client Info | | 656 | 1080 | 662 |
| Oil Changed | Client Info | | | Not Changed | Changed | Not Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

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

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m | >200 | 4 | 6 | 4 |
| Chromium | ppm | ASTM D5185m | >5 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >5 | 0 | 1 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Silver | ppm | ASTM D5185m | >7 | 0 | <1 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 1 | 1 | 2 |
| Lead | ppm | ASTM D5185m | >45 | 0 | 1 | 0 |
| Copper | ppm | ASTM D5185m | >225 | 4 | 4 | 2 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Cadmium | ppm | ASTM D5185m | | <1 | 1 | 0 |

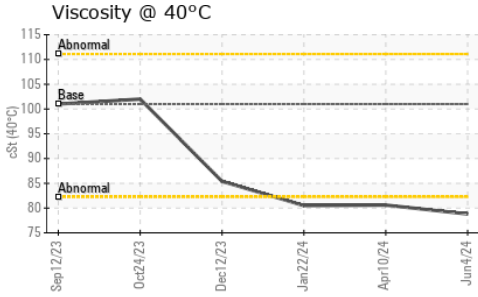
| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 37 | 7 | 3 | 1 |
| Barium | ppm | ASTM D5185m | 7 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 5 | 5 | 6 | 4 |
| Manganese | ppm | ASTM D5185m | | <1 | 1 | 0 |
| Magnesium | ppm | ASTM D5185m | 40 | 68 | 48 | 48 |
| Calcium | ppm | ASTM D5185m | 2650 | 3010 | 3179 | 3020 |
| Phosphorus | ppm | ASTM D5185m | 1050 | 1012 | 980 | 862 |
| Zinc | ppm | ASTM D5185m | 1075 | 1143 | 1067 | 1091 |
| Sulfur | ppm | ASTM D5185m | 5750 | 4366 | 4174 | 3592 |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m | >125 | 4 | 8 | 6 |
| Sodium | ppm | ASTM D5185m | | 2 | 0 | 0 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 2 | 1 |

| VISUAL | | method | limit/base | current | history1 | history2 |
|------------------|--------|---------|------------|--------------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE | NONE |
| 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 |
| Free Water | scalar | *Visual | | NEG | NEG | NEG |



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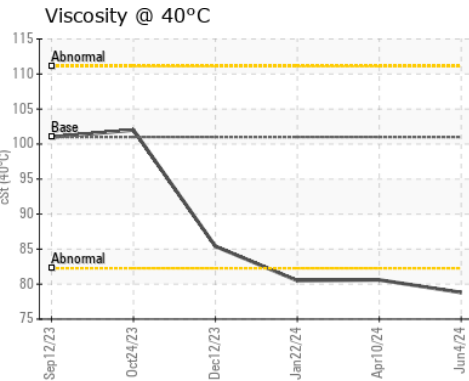
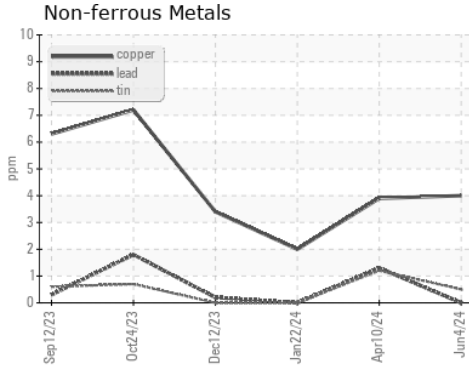
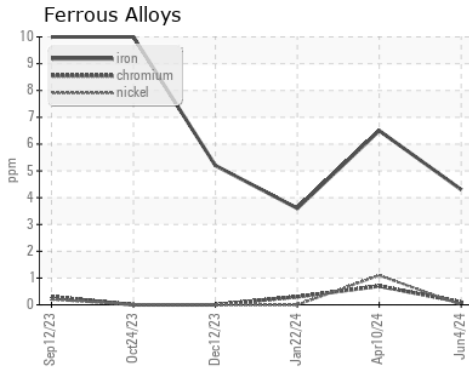
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 |
|-------------|-------------------|-------------|----------|----------|
| Visc @ 40°C | cSt ASTM D445 101 | 78.8 | 80.6 | 80.5 |

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. : WC0888096 **Received** : 07 Jun 2024
Lab Number : 06203190 **Tested** : 10 Jun 2024
Unique Number : 11070651 **Diagnosed** : 10 Jun 2024 - Wes Davis
Test Package : CONST

TRADER CONSTRUCTION CO.
 PO DRAWER 1578
 NEW BERN, NC
 US 28563
 Contact: MIKE WYATT
 mwyatt@traderconstruction.com
 T: (252)633-1399
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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)