

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

JOHN DEERE 2014300D11 510 (S/N 1DW300DXCEE662162)

Front Differential

JOHN DEERE GL-5 80W90 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. 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

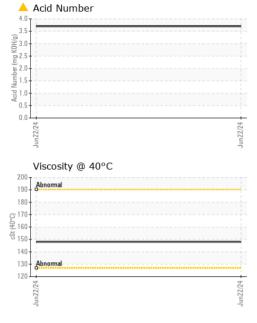
Fluid Condition

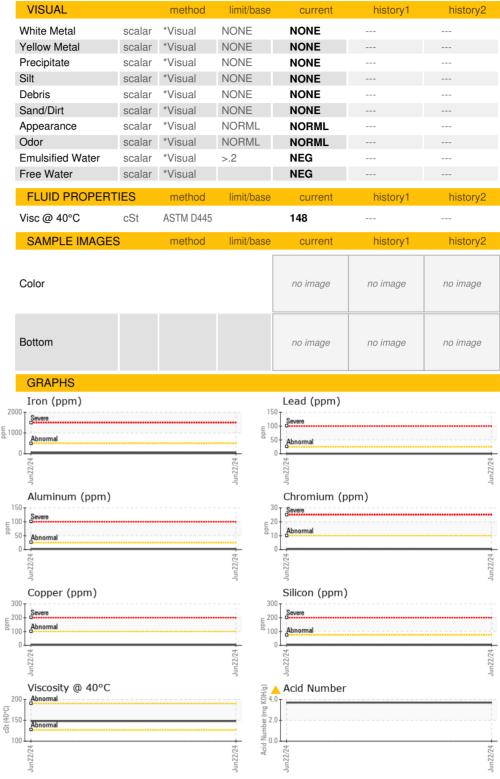
The AN level is at the top-end of the recommended limit

| 0.11.151.5.11.50.51.1 | | | | | | |
|-----------------------|----------|-------------|------------|---------------|----------|----------|
| SAMPLE INFORM | IATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | WC0960425 | | |
| Sample Date | | Client Info | | 22 Jun 2024 | | |
| Machine Age | hrs | Client Info | | 9087 | | |
| Oil Age | hrs | Client Info | | 1972 | | |
| Oil Changed | | Client Info | | Changed | | |
| Sample Status | | | | ABNORMAL | | |
| 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 | 62 | | |
| Chromium | ppm | ASTM D5185m | >10 | <1 | | |
| Nickel | ppm | ASTM D5185m | >10 | 0 | | |
| Titanium | ppm | ASTM D5185m | | 0 | | |
| Silver | ppm | ASTM D5185m | | 0 | | |
| Aluminum | ppm | ASTM D5185m | >25 | 3 | | |
| Lead | ppm | ASTM D5185m | >25 | 0 | | |
| Copper | ppm | ASTM D5185m | >100 | 4 | | |
| Tin | ppm | ASTM D5185m | >10 | 0 | | |
| Vanadium | ppm | ASTM D5185m | | 0 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 53 | | |
| Barium | ppm | ASTM D5185m | | 0 | | |
| Molybdenum | ppm | ASTM D5185m | | 20 | | |
| Manganese | ppm | ASTM D5185m | | <1 | | |
| Magnesium | ppm | ASTM D5185m | | 2 | | |
| Calcium | ppm | ASTM D5185m | | 12 | | |
| Phosphorus | ppm | ASTM D5185m | | 2040 | | |
| Zinc | ppm | ASTM D5185m | | 18 | | |
| Sulfur | ppm | ASTM D5185m | | 23759 | | |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >75 | 3 | | |
| Sodium | ppm | ASTM D5185m | | 2 | | |
| Potassium | ppm | ASTM D5185m | >20 | <1 | | |
| FLUID DEGRADA | TION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | ▲ 3.70 | | |



OIL ANALYSIS REPORT









Certificate 12367

Laboratory Sample No.

: WC0960425 Lab Number : 06237005 Unique Number: 11125839

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024 **Tested** : 18 Jul 2024

Diagnosed

: 18 Jul 2024 - Jonathan Hester

US 75948 Contact: JODIE MCGEE jodie.mcgee@big4inc.com T: (936)275-7532

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)

BIG 4 INC

301 WORTH ST

HEMPHILL, TX

F: (409)787-2071