



OIL ANALYSIS REPORT

| | |
|-----------------|-----------------|
| WEAR | ABNORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Area

[G15235]

Machine Id

JOHN DEERE 260E 1DW260ETCJF693406

Component

Front Differential

Fluid

JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. 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 | | WE0007304 | WE0006160 | --- |
| Sample Date | | Client Info | | 23 May 2024 | 29 Dec 2023 | --- |
| Machine Age | hrs | Client Info | | 3415 | 2914 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Not Changd | --- |
| Filter Changed | | Client Info | | Changed | Not Changd | --- |
| Sample Status | | | | ABNORMAL | ABNORMAL | --- |

WEAR

Bearing and/or bushing wear is indicated.

| | | | | | | |
|--------------|--------|-------------|------|--------------|--------------|-----|
| PQ | | ASTM D8184 | | 420 | 246 | --- |
| Iron | ppm | ASTM D5185m | >500 | 990 | 668 | --- |
| Chromium | ppm | ASTM D5185m | >10 | 4 | 3 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 12 | 10 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 3 | 3 | --- |
| Lead | ppm | ASTM D5185m | >25 | 0 | <1 | --- |
| Copper | ppm | ASTM D5185m | >100 | ▲ 320 | ▲ 272 | --- |
| Tin | ppm | ASTM D5185m | >10 | 11 | 8 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

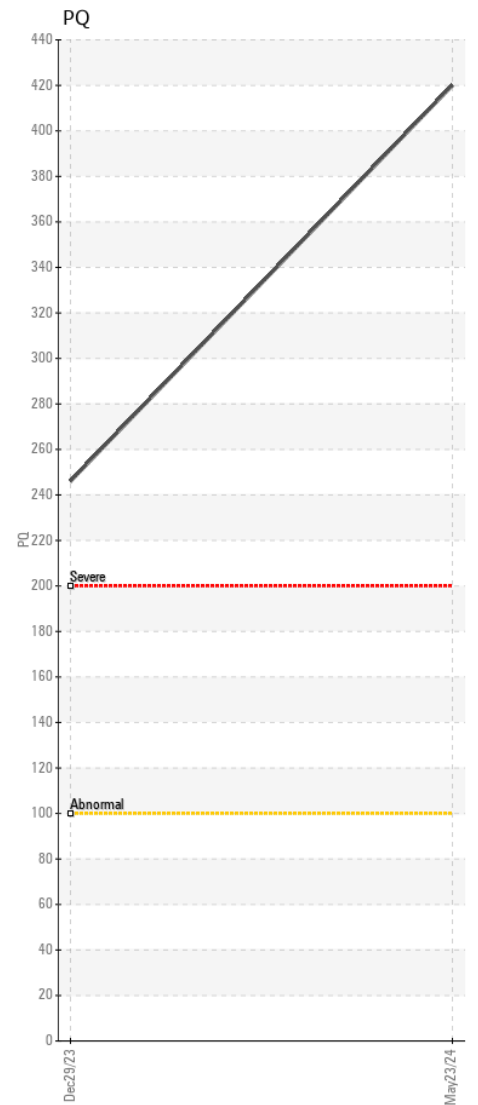
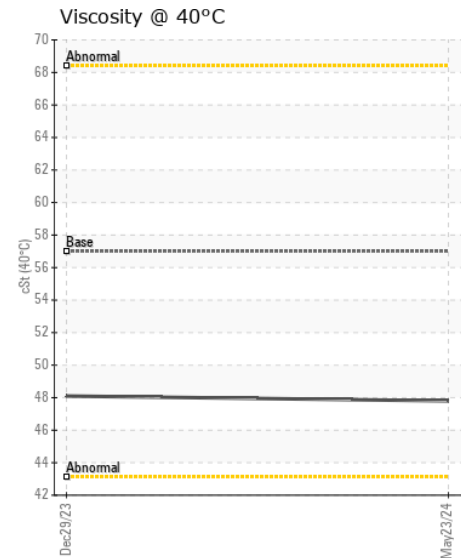
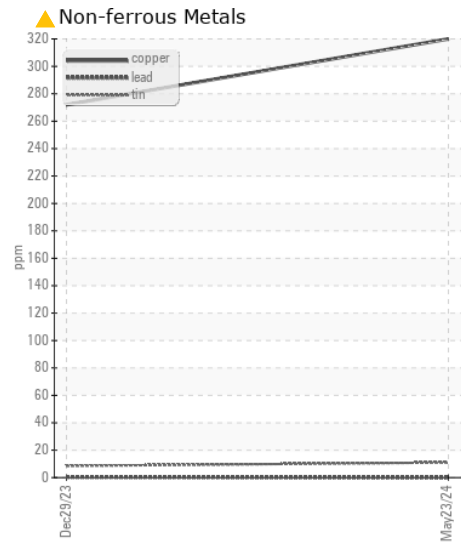
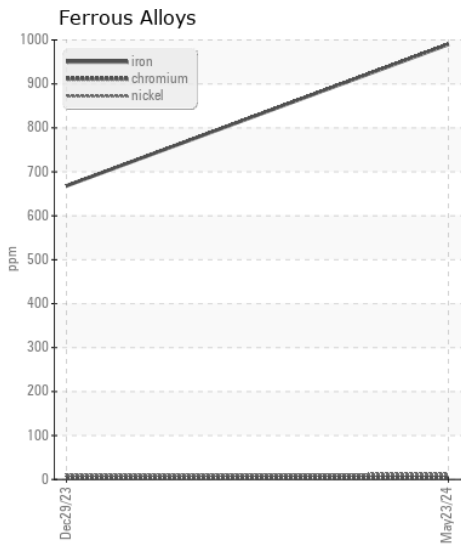
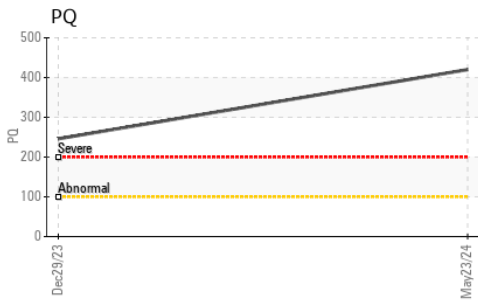
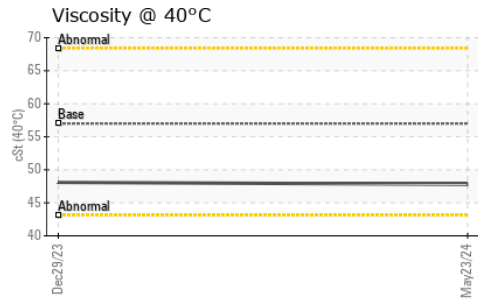
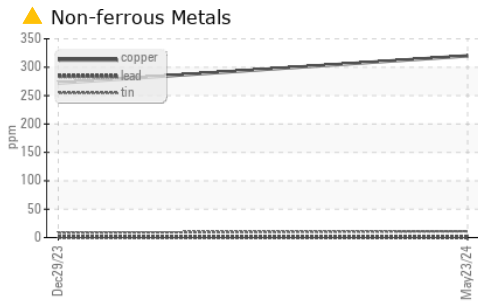
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >75 | 24 | 20 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 1 | --- |
| Water | | WC Method | >.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >.2 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|-------------|------|-----|
| Sodium | ppm | ASTM D5185m | | 8 | 8 | --- |
| Boron | ppm | ASTM D5185m | 6 | 52 | 50 | --- |
| Barium | ppm | ASTM D5185m | 0 | 6 | 3 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 6 | 3 | --- |
| Manganese | ppm | ASTM D5185m | | 38 | 32 | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 66 | 66 | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 3645 | 3382 | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1141 | 1104 | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1380 | 1352 | --- |
| Sulfur | ppm | ASTM D5185m | | 4024 | 3484 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 47.8 | 48.1 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WE0007304

Lab Number : 06195697

Unique Number : 11057820

Test Package : CONST (Additional Tests: PQ)

Received : 30 May 2024

Tested : 31 May 2024

Diagnosed : 01 Jun 2024 - Don Baldrige

WARRIOR TRACTOR AND EQUIPMENT - GRAYSVILLE

4308 WATER TRAIL

GRAYSVILLE, AL

US 35073

Contact: BEN BYRKET

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T: (205)675-9045

F:

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)