



OIL ANALYSIS REPORT

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

Area
Store 2 - Beaver [RO#148600]
 Machine Id
JOHN DEERE 460P 1DW460PACPF06217
 Component
Rear Axle
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (18 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | LEC0048550 | LEC0047316 | LEC0040619 |
| Sample Date | | Client Info | | 15 Apr 2024 | 04 Jan 2024 | 30 May 2023 |
| Machine Age | hrs | Client Info | | 1653 | 1036 | 495 |
| Oil Age | hrs | Client Info | | 1653 | 1036 | 495 |
| Filter Age | hrs | Client Info | | 1653 | 0 | 495 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|------|--------|
| PQ | | ASTM D8184 | | 17 | 19 | 133 |
| Iron | ppm | ASTM D5185m | >1501 | 32 | 22 | ▲ 2102 |
| Chromium | ppm | ASTM D5185m | >11 | <1 | 0 | ▲ 42 |
| Nickel | ppm | ASTM D5185m | >10 | <1 | 0 | 6 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >21 | 2 | <1 | 22 |
| Lead | ppm | ASTM D5185m | >51 | 4 | 4 | <1 |
| Copper | ppm | ASTM D5185m | >101 | 29 | 25 | 2 |
| Tin | ppm | ASTM D5185m | >10 | 3 | 2 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

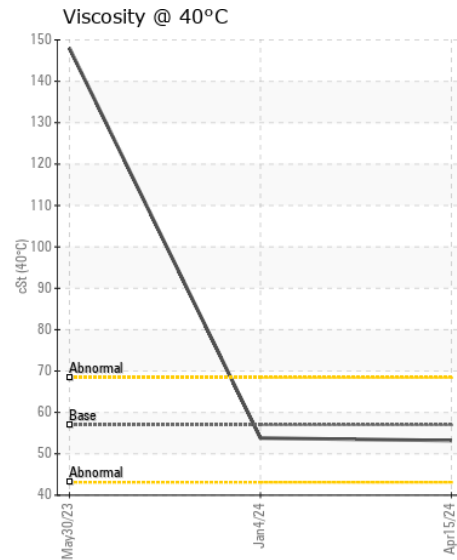
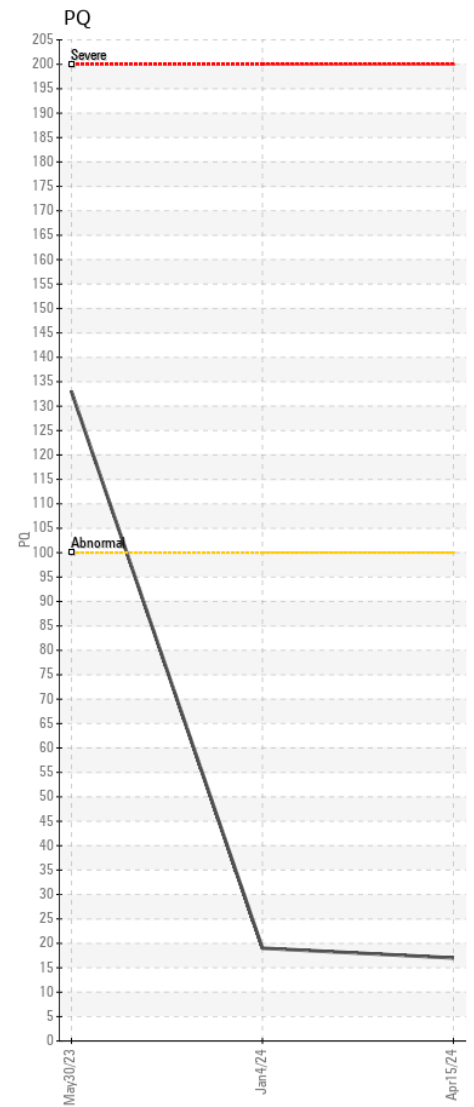
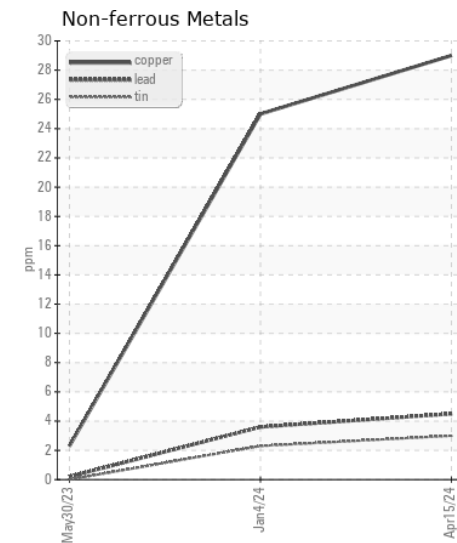
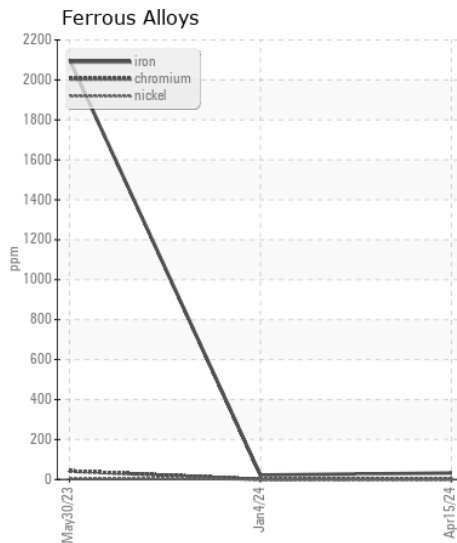
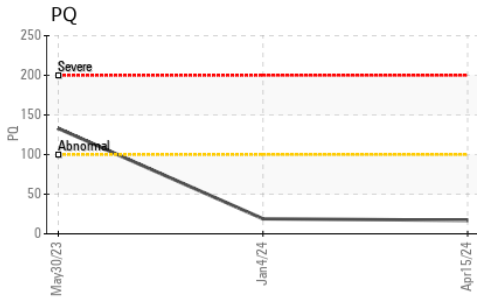
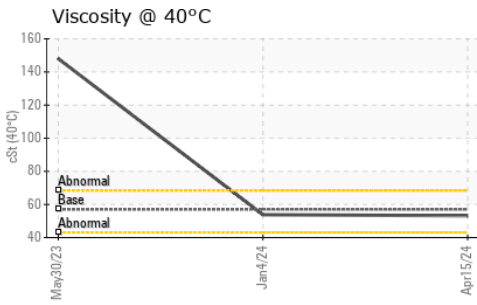
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >31 | 6 | 4 | ▲ 107 |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 0 | 45 |
| 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 oil is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|-------|
| Sodium | ppm | ASTM D5185m | >51 | 1 | 4 | 7 |
| Boron | ppm | ASTM D5185m | 6 | 0 | 3 | 4 |
| Barium | ppm | ASTM D5185m | 0 | 5 | 1 | 63 |
| Molybdenum | ppm | ASTM D5185m | 0 | <1 | 0 | 5 |
| Manganese | ppm | ASTM D5185m | | 4 | 3 | 20 |
| Magnesium | ppm | ASTM D5185m | 145 | 103 | 110 | 5 |
| Calcium | ppm | ASTM D5185m | 3570 | 3607 | 3466 | 17 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1119 | 1063 | 273 |
| Zinc | ppm | ASTM D5185m | 1640 | 1274 | 1260 | 23 |
| Sulfur | ppm | ASTM D5185m | | 4193 | 3563 | 18576 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 53.2 | 53.8 | ● 148 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048550 **Received** : 18 Apr 2024
Lab Number : 06153363 **Tested** : 19 Apr 2024
Unique Number : 10983441 **Diagnosed** : 19 Apr 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com

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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