



OIL ANALYSIS REPORT

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

Area
Store 9 - Marietta [146280]
 Machine Id
JOHN DEERE 304L 1LU304LXLZB048374
 Component
Rear Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | LEC0046168 | LEC0037279 | LEC0023542 |
| Sample Date | | Client Info | | 10 Jan 2024 | 03 Jan 2023 | 08 Nov 2021 |
| Machine Age | hrs | Client Info | | 5748 | 5040 | 4184 |
| Oil Age | hrs | Client Info | | 2000 | 1059 | 4184 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | N/A | N/A | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|-------------|-------|------|
| PQ | | ASTM D8184 | >1250 | 35 | 149 | 44 |
| Iron | ppm | ASTM D5185m | >750 | 206 | 200 | 148 |
| Chromium | ppm | ASTM D5185m | >9 | 2 | 1 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | 1 | 0 | 1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | 1 | 2 | 3 |
| Lead | ppm | ASTM D5185m | >15 | 0 | <1 | <1 |
| Copper | ppm | ASTM D5185m | >40 | 0 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | MODER | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

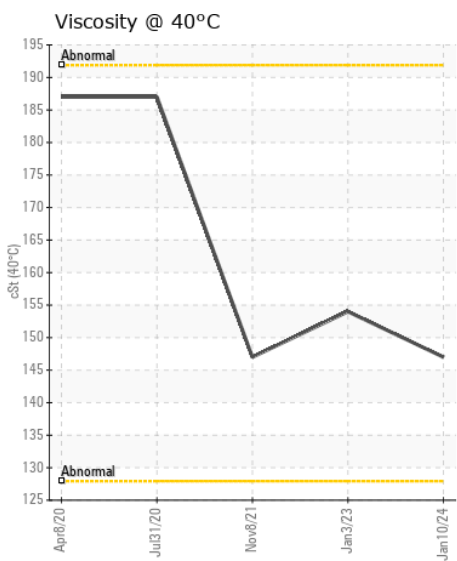
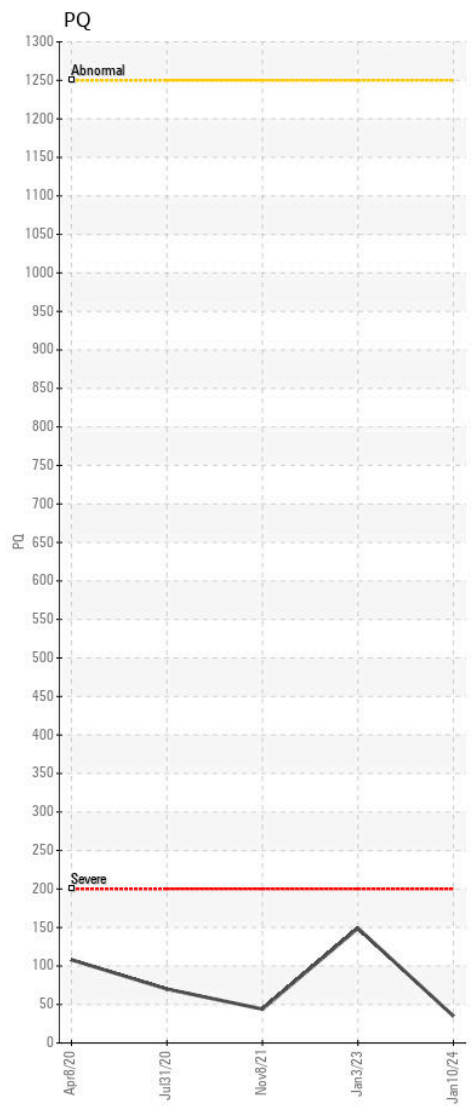
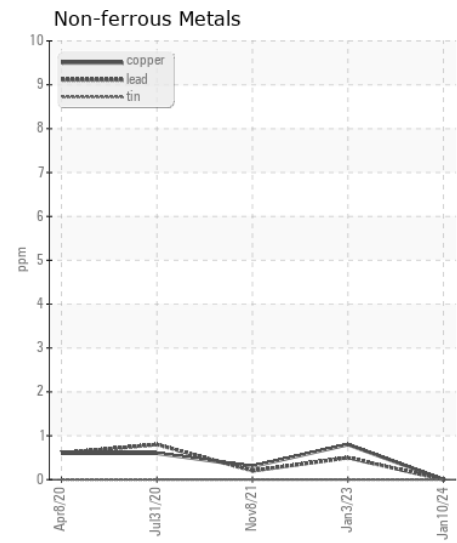
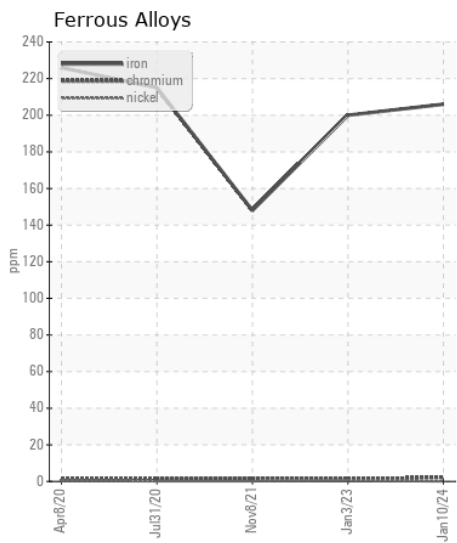
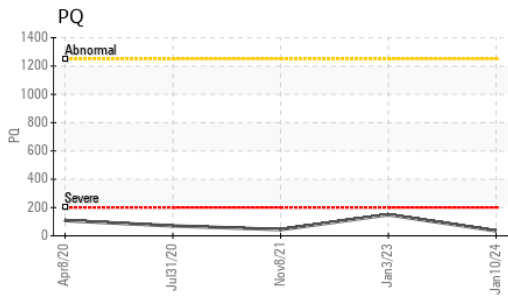
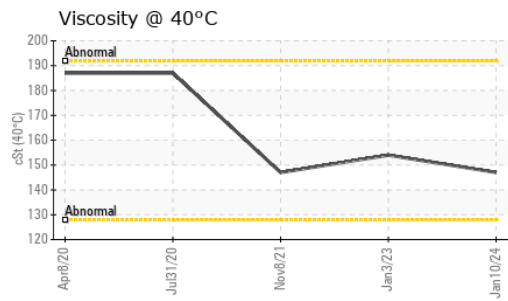
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 10 | 2 | 6 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | <1 | 0 |
| Water | | WC Method | >0.075 | 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 | >0.075 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-----|--------------|-------|-------|
| Sodium | ppm | ASTM D5185m | >51 | 11 | 9 | 5 |
| Boron | ppm | ASTM D5185m | | <1 | <1 | 3 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | 4 | 4 | 3 |
| Magnesium | ppm | ASTM D5185m | | 6 | 7 | 0 |
| Calcium | ppm | ASTM D5185m | | 62 | 25 | 0 |
| Phosphorus | ppm | ASTM D5185m | | 1489 | 2265 | 1403 |
| Zinc | ppm | ASTM D5185m | | 64 | 58 | 0 |
| Sulfur | ppm | ASTM D5185m | | 22439 | 25056 | 20868 |
| Visc @ 40°C | cSt | ASTM D445 | | 147 | 154 | 147 |



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0046168 **Received** : 12 Jan 2024
Lab Number : 06060456 **Diagnosed** : 16 Jan 2024
Unique Number : 10831838 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com
 T:
 F: (740)373-5570

Certificate L2367
 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)