



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

Machine Id
HITACHI 300LC 1FFDDP70THF840156
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated.

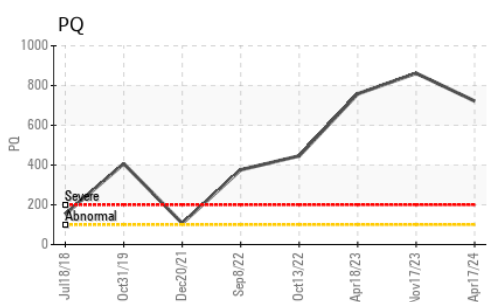
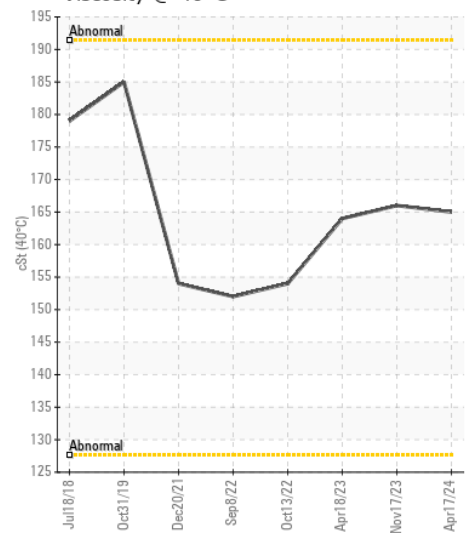
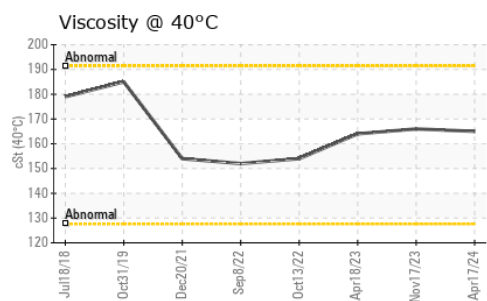
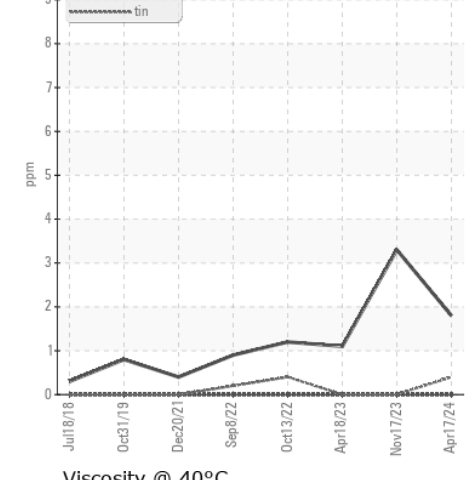
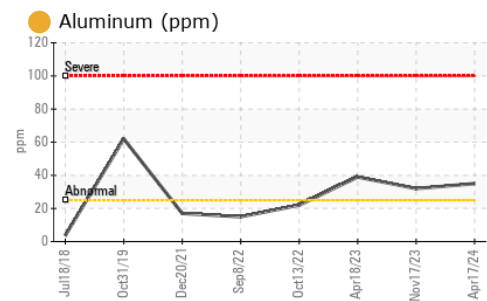
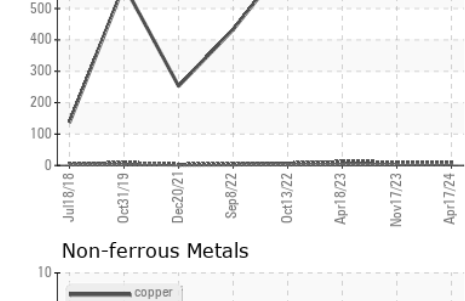
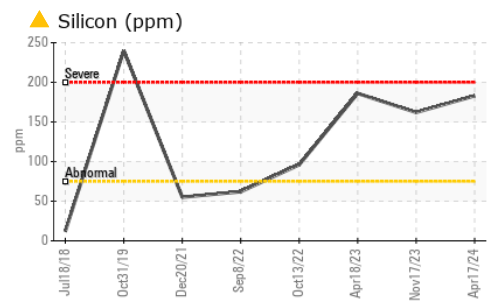
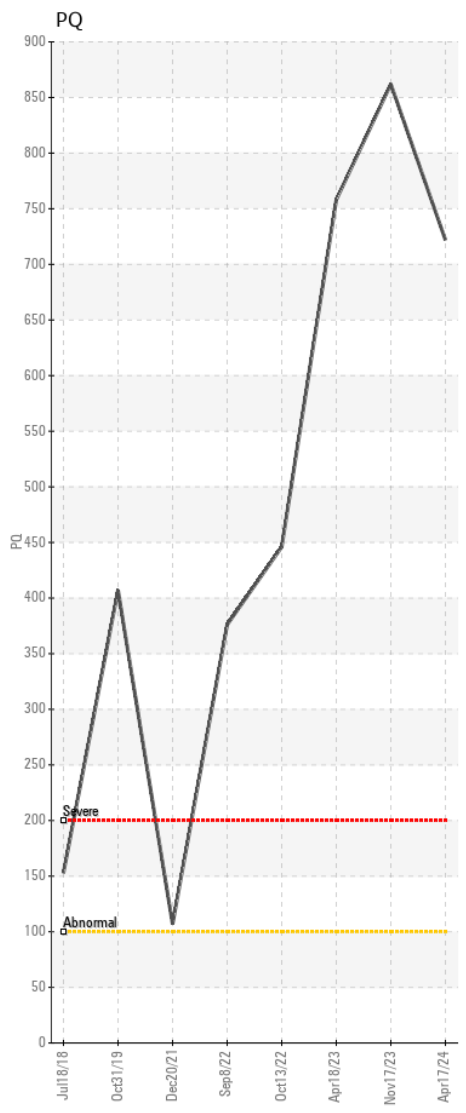
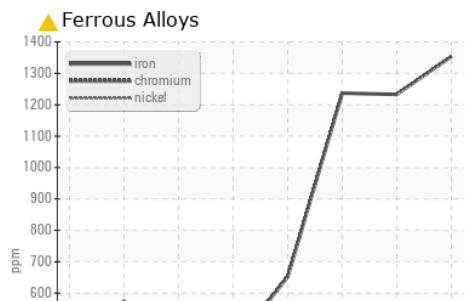
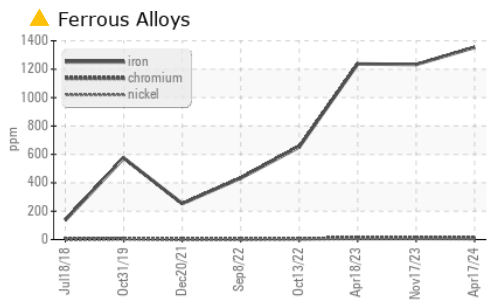
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0212957 | JR0186200 | JR0168183 |
| Sample Date | | Client Info | | 17 Apr 2024 | 17 Nov 2023 | 18 Apr 2023 |
| Machine Age | hrs | Client Info | | 4984 | 4521 | 3606 |
| Oil Age | hrs | Client Info | | 3041 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Filter Changed | | Client Info | | Not Changed | None | None |
| Sample Status | | | | ABNORMAL | SEVERE | ABNORMAL |
| PQ | | ASTM D8184 | | 722 | ▲ 862 | 758 |
| Iron | ppm | ASTM D5185m | >500 | ▲ 1354 | ▲ 1233 | ▲ 1237 |
| Chromium | ppm | ASTM D5185m | >10 | ▲ 10 | ▲ 10 | ▲ 11 |
| Nickel | ppm | ASTM D5185m | >10 | 2 | 3 | 3 |
| Titanium | ppm | ASTM D5185m | | 3 | 3 | 3 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | ● 35 | ● 32 | ● 39 |
| Lead | ppm | ASTM D5185m | >25 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >50 | 2 | 3 | 1 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | MODER |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >75 | ▲ 183 | ▲ 162 | ▲ 186 |
| Potassium | ppm | ASTM D5185m | >20 | 15 | 16 | 13 |
| Water | | WC Method | >0.2 | 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 | >0.2 | NEG | NEG | NEG |
| Sodium | ppm | ASTM D5185m | | 7 | 4 | 6 |
| Boron | ppm | ASTM D5185m | | 11 | 14 | 21 |
| Barium | ppm | ASTM D5185m | | 1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | 1 | <1 |
| Manganese | ppm | ASTM D5185m | | 10 | 10 | 10 |
| Magnesium | ppm | ASTM D5185m | | <1 | 3 | 0 |
| Calcium | ppm | ASTM D5185m | | 7 | 25 | 1 |
| Phosphorus | ppm | ASTM D5185m | | 1718 | 1593 | 2206 |
| Zinc | ppm | ASTM D5185m | | 23 | 21 | 0 |
| Sulfur | ppm | ASTM D5185m | | 26644 | 30095 | 25056 |
| Visc @ 40°C | cSt | ASTM D445 | | 165 | 166 | 164 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212957
Lab Number : 06154706
Unique Number : 10990129
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529
 Contact: RALEIGH SHOP
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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)