



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

Machine Id
JOHN DEERE 2156G 1FF2156GJJF216063
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0209237 | JR0175231 | JR0146186 |
| Sample Date | | Client Info | | 12 Apr 2024 | 11 Jul 2023 | 26 Oct 2022 |
| Machine Age | hrs | Client Info | | 5430 | 4902 | 4368 |
| Oil Age | hrs | Client Info | | 5430 | 0 | 0 |
| Filter Age | hrs | Client Info | | 500 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Not Changd | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|------|------|
| PQ | | ASTM D8184 | >1250 | 32 | 11 | 17 |
| Iron | ppm | ASTM D5185m | >750 | 392 | 2 | 135 |
| Chromium | ppm | ASTM D5185m | >9 | 6 | 0 | 1 |
| Nickel | ppm | ASTM D5185m | >10 | 2 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | 2 | <1 | 1 |
| Lead | ppm | ASTM D5185m | >15 | 0 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >40 | 1 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| 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.

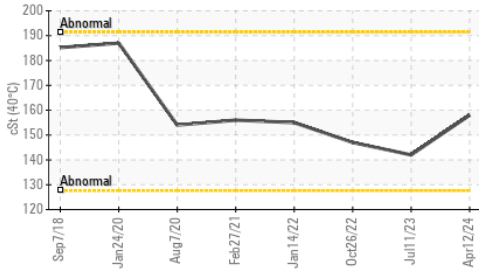
| | | | | | | |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 9 | 1 | 4 |
| Potassium | ppm | ASTM D5185m | >20 | 5 | 2 | 3 |
| Water | | WC Method | >0.075 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | 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

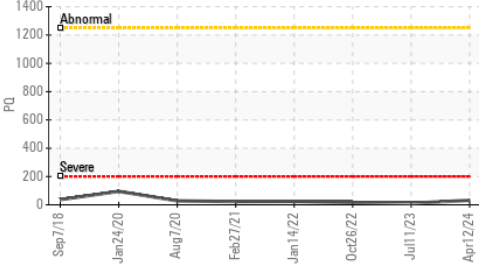
The condition of the oil is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|-----|--------------|-------|-------|
| Sodium | ppm | ASTM D5185m | >51 | 5 | 0 | 0 |
| Boron | ppm | ASTM D5185m | | 15 | 2 | 7 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 4 | 2 | <1 |
| Manganese | ppm | ASTM D5185m | | 6 | <1 | 2 |
| Magnesium | ppm | ASTM D5185m | | 19 | 9 | 1 |
| Calcium | ppm | ASTM D5185m | | 25 | 20 | 4 |
| Phosphorus | ppm | ASTM D5185m | | 2262 | 321 | 2302 |
| Zinc | ppm | ASTM D5185m | | 24 | 9 | 17 |
| Sulfur | ppm | ASTM D5185m | | 33173 | 22670 | 33513 |
| Visc @ 40°C | cSt | ASTM D445 | | 158 | 142 | 147 |

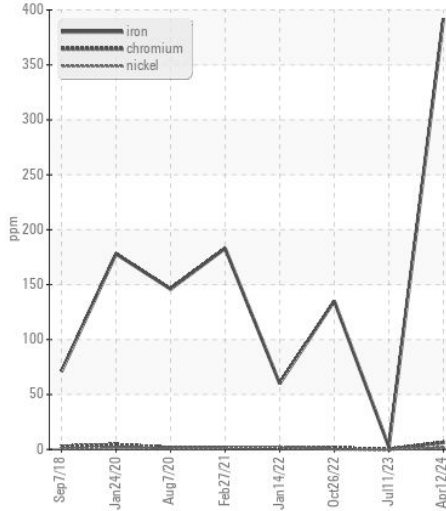
Viscosity @ 40°C



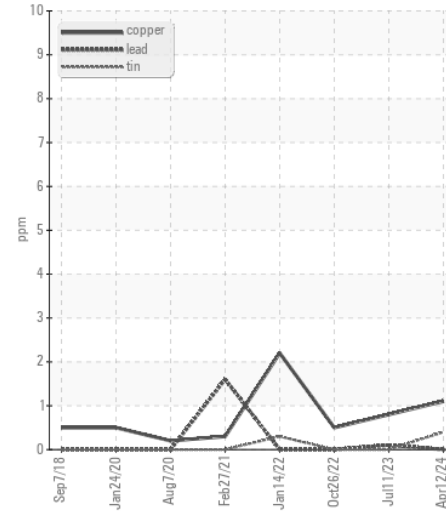
PQ



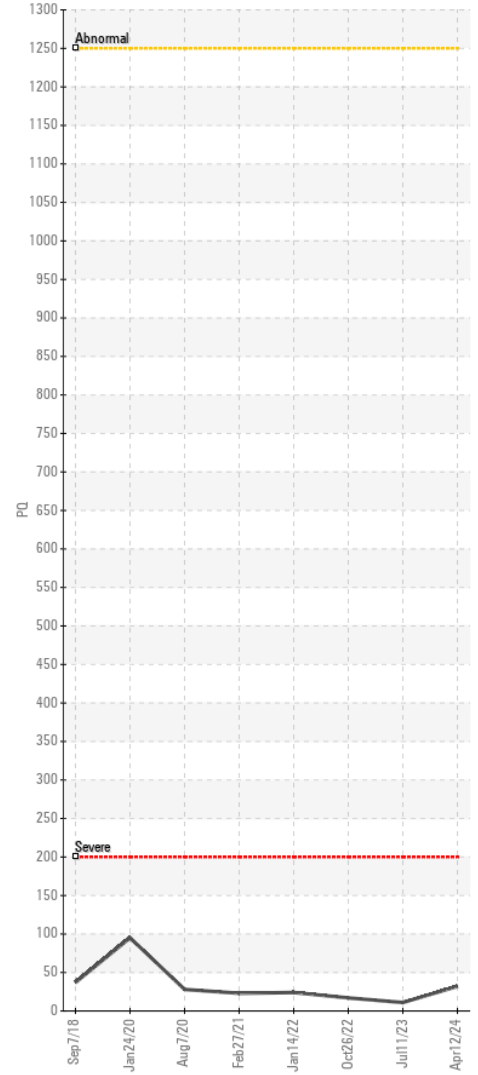
Ferrous Alloys



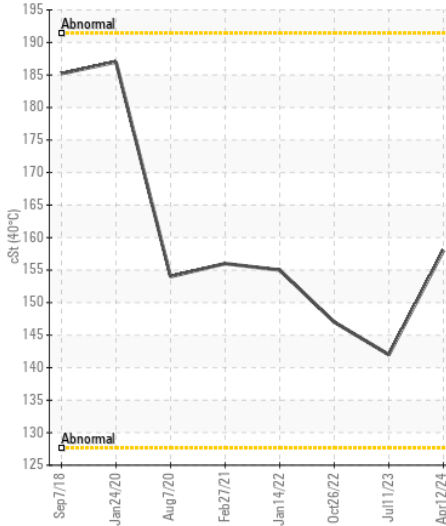
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : JR0209237
 Lab Number : 06152228
 Unique Number : 10982306
 Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529
 Contact: RALEIGH SHOP
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com
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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)