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

Machine Id
JOHN DEERE 325G 338952
 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. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated.

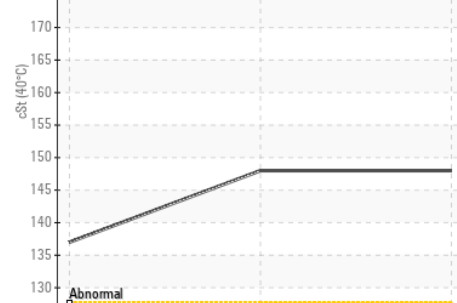
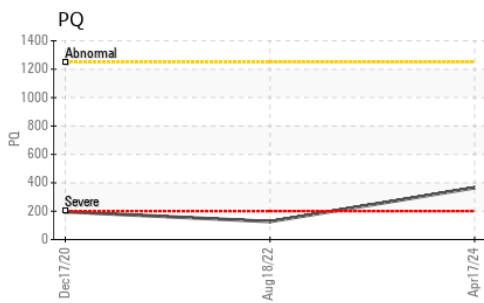
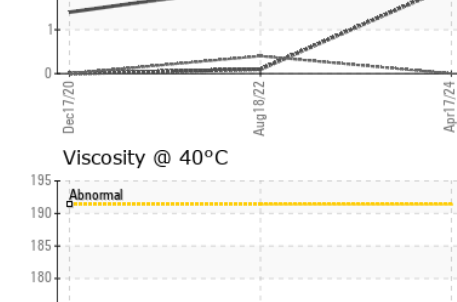
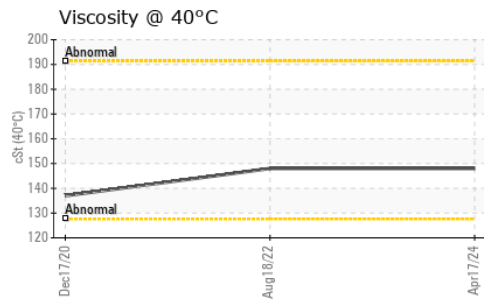
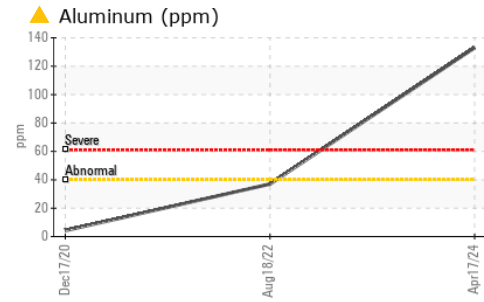
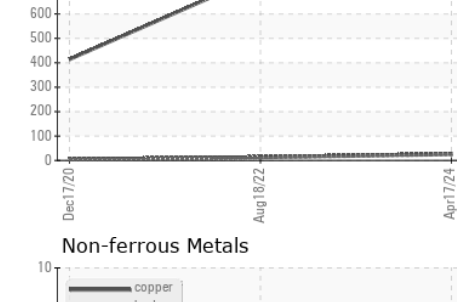
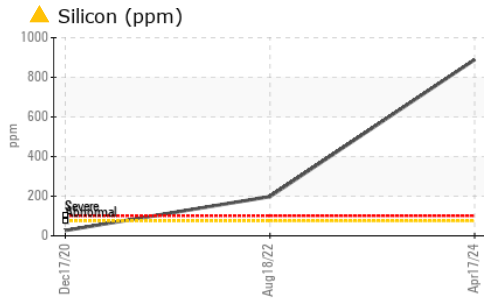
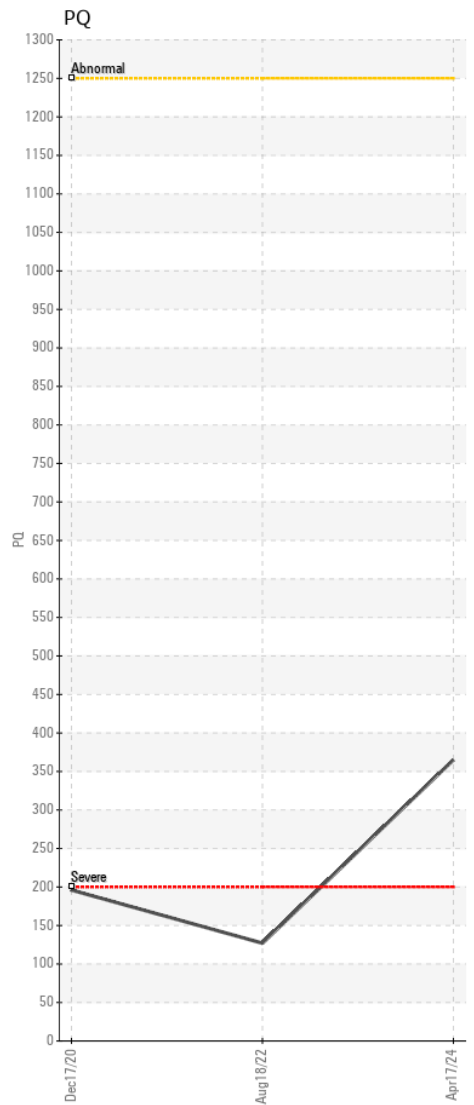
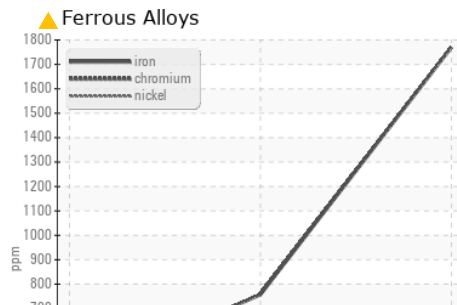
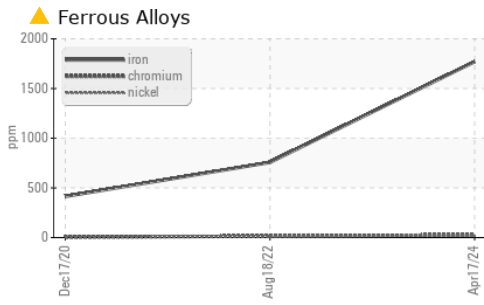
CONTAMINATION

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

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0214266 | JR0133801 | JR0069862 |
| Sample Date | | Client Info | | 17 Apr 2024 | 18 Aug 2022 | 17 Dec 2020 |
| Machine Age | hrs | Client Info | | 693 | 504 | 318 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Changed |
| Filter Changed | | Client Info | | N/A | Not Changd | Not Changd |
| Sample Status | | | | ABNORMAL | ABNORMAL | NORMAL |
| PQ | | ASTM D8184 | >1250 | 365 | 127 | 196 |
| Iron | ppm | ASTM D5185m | >750 | ▲ 1770 | 757 | 414 |
| Chromium | ppm | ASTM D5185m | >9 | ▲ 27 | 14 | 5 |
| Nickel | ppm | ASTM D5185m | >10 | ▲ 22 | 10 | 3 |
| Titanium | ppm | ASTM D5185m | | 14 | 4 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >40 | ▲ 133 | ● 37 | 4 |
| Lead | ppm | ASTM D5185m | >15 | 2 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >40 | 5 | 2 | 1 |
| Tin | ppm | ASTM D5185m | >10 | 0 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 2 | <1 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >75 | ▲ 889 | ▲ 198 | 27 |
| Potassium | ppm | ASTM D5185m | >20 | 85 | 30 | 21 |
| Water | | WC Method | >0.075 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | MODER |
| 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 |
| Sodium | ppm | ASTM D5185m | >51 | 29 | 15 | 14 |
| Boron | ppm | ASTM D5185m | | 219 | 202 | 78 |
| Barium | ppm | ASTM D5185m | | 52 | 47 | 32 |
| Molybdenum | ppm | ASTM D5185m | | 6 | 2 | 1 |
| Manganese | ppm | ASTM D5185m | | 25 | 12 | 5 |
| Magnesium | ppm | ASTM D5185m | | 47 | 37 | 14 |
| Calcium | ppm | ASTM D5185m | | 926 | 349 | 29 |
| Phosphorus | ppm | ASTM D5185m | | 1358 | 1492 | 917 |
| Zinc | ppm | ASTM D5185m | | 93 | 104 | 35 |
| Sulfur | ppm | ASTM D5185m | | 27345 | 25056 | 21665 |
| Visc @ 40°C | cSt | ASTM D445 | | 148 | 148 | 137 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214266 **Received** : 18 Apr 2024
Lab Number : 06153435 **Tested** : 19 Apr 2024
Unique Number : 10983513 **Diagnosed** : 22 Apr 2024 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

JRE - NEW BERN
 3816 MARTIN LUTHER KING BLVD
 NEW BERN, NC
 US 28562
 Contact: NEW BERN SHOP
 nick.etherdridge@jamesriverequipment.com; canastasio@wearcheckusa.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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F: