



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

Machine Id
JOHN DEERE 333G 1T0333GMLPF445768
 Component
Right Final Drive
 Fluid
API GL-5 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated. Component wear metal level(s) high for break in.

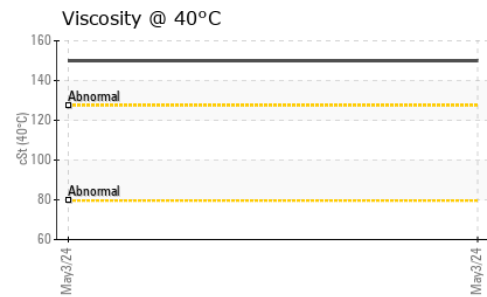
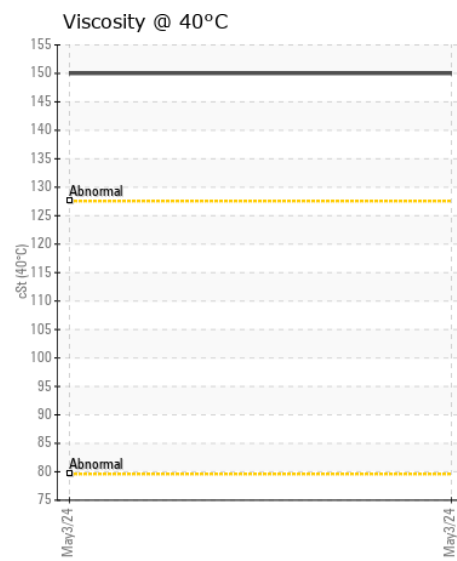
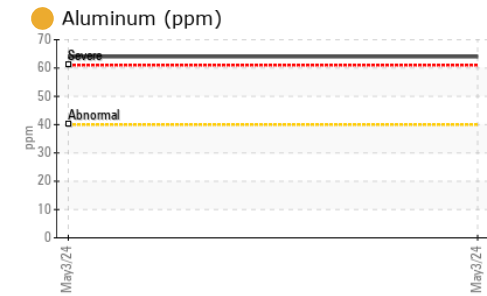
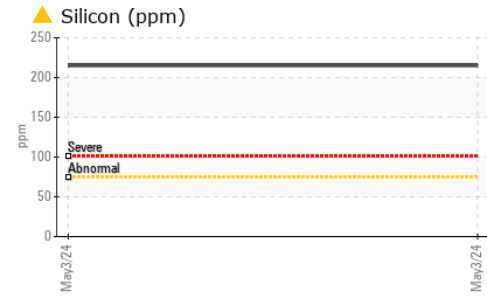
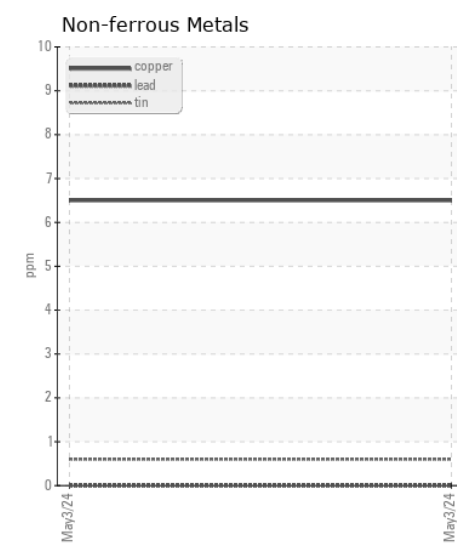
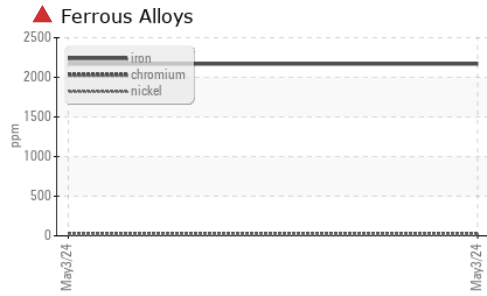
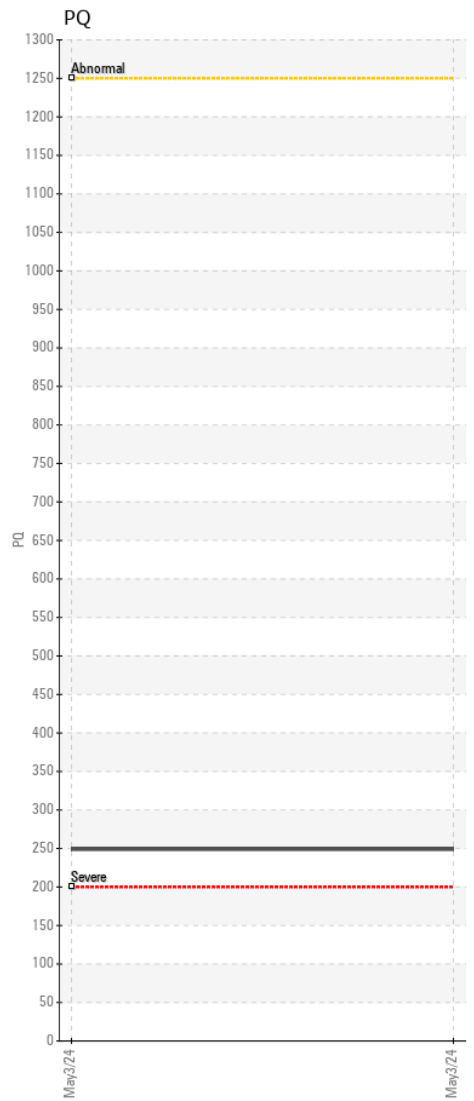
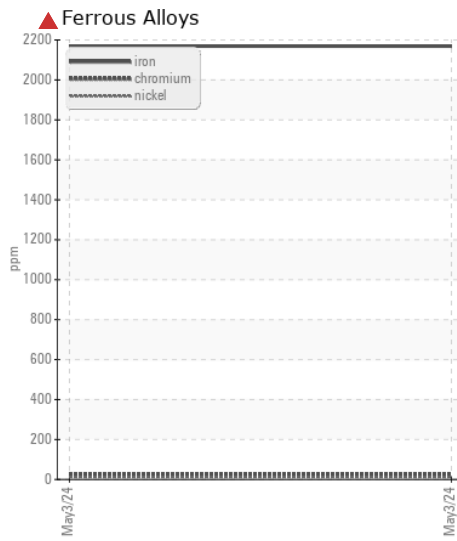
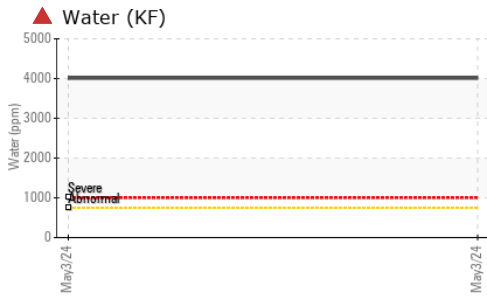
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a high concentration of water present in the oil.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|-------------|----------|----------|
| Sample Number | | Client Info | | JR0211529 | --- | --- |
| Sample Date | | Client Info | | 03 May 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 318 | --- | --- |
| Oil Age | hrs | Client Info | | 318 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | SEVERE | --- | --- |
| PQ | | ASTM D8184 | >1250 | 249 | --- | --- |
| Iron | ppm | ASTM D5185m | >750 | ▲ 2169 | --- | --- |
| Chromium | ppm | ASTM D5185m | >9 | ▲ 27 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 12 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 6 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >40 | ● 64 | --- | --- |
| Lead | ppm | ASTM D5185m | >15 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >40 | 6 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 1 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Silicon | ppm | ASTM D5185m | >75 | ▲ 215 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 32 | --- | --- |
| Water | % | ASTM D6304 | >0.075 | ▲ 0.401 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >750 | ▲ 4010 | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.075 | ▲ 0.2% | --- | --- |
| Sodium | ppm | ASTM D5185m | >51 | 21 | --- | --- |
| Boron | ppm | ASTM D5185m | | 4 | --- | --- |
| Barium | ppm | ASTM D5185m | | 88 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 5 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 21 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 18 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 71 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 224 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 33 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 17538 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 150 | --- | --- |



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0211529 **Received** : 13 May 2024
Lab Number : 06177467 **Tested** : 15 May 2024
Unique Number : 11023520 **Diagnosed** : 15 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF, PQ)

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 US 23103
 Contact: KENNY W
 kennyw1952@gmail.com
 T:
 F:

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)