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

Machine Id
JOHN DEERE 60G 1FF060GXTMJ294233
 Component
Right Final Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number | | Client Info | | JR0222087 | --- | --- |
| Sample Date | | Client Info | | 07 Jul 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 901 | --- | --- |
| Oil Age | hrs | Client Info | | 901 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | ABNORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|------|-----|-----|
| PQ | | ASTM D8184 | >1250 | 310 | --- | --- |
| Iron | ppm | ASTM D5185m | >750 | 600 | --- | --- |
| Chromium | ppm | ASTM D5185m | >9 | 13 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 9 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 2 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >40 | 32 | --- | --- |
| Lead | ppm | ASTM D5185m | >15 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >40 | 3 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

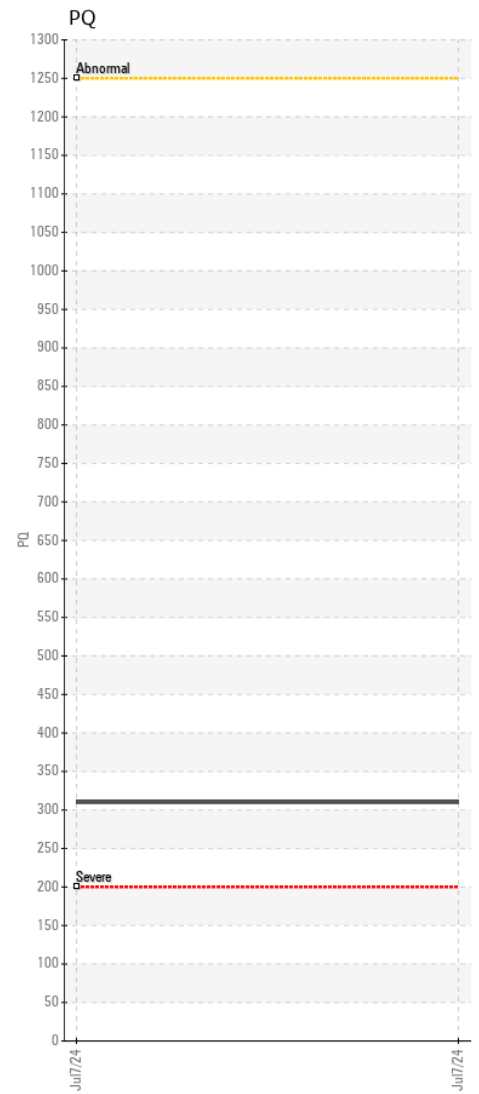
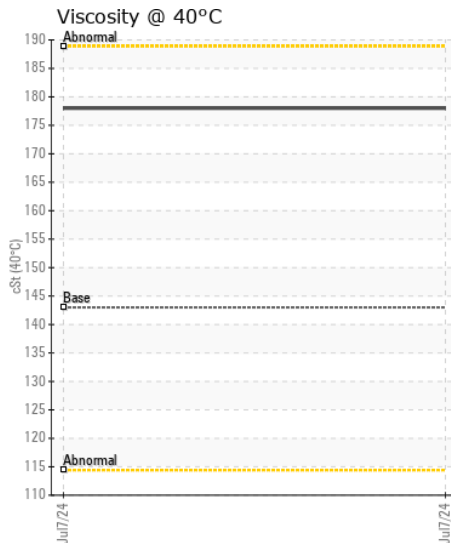
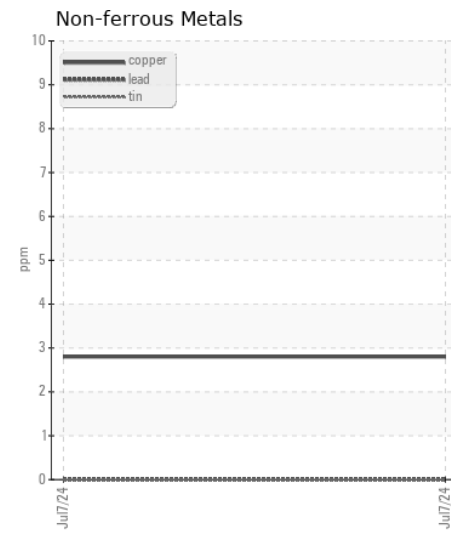
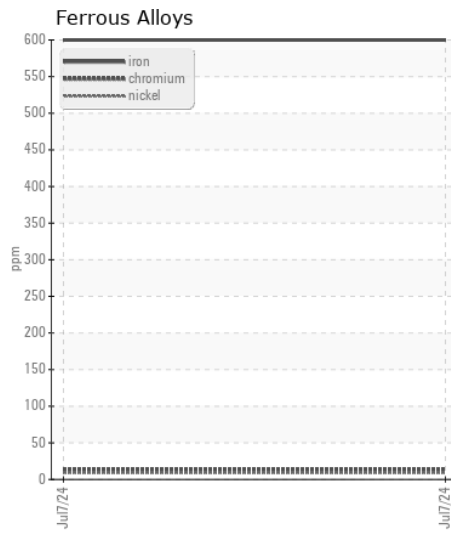
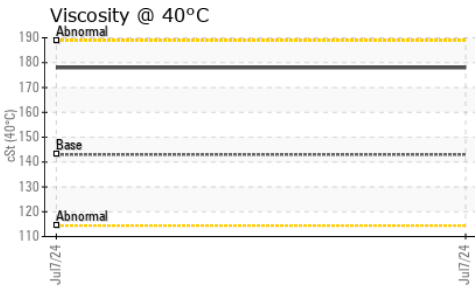
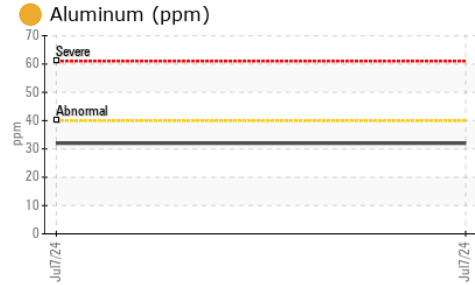
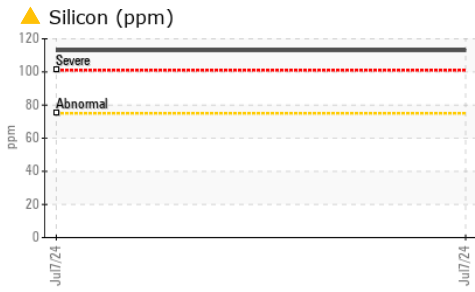
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

| | | | | | | |
|------------------|--------|-------------|--------|-------|-----|-----|
| Silicon | ppm | ASTM D5185m | >75 | 113 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 52 | --- | --- |
| Water | | WC Method | >0.075 | NEG | --- | --- |
| 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 | NEG | --- | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-------|-------|-----|-----|
| Sodium | ppm | ASTM D5185m | >170 | 8 | --- | --- |
| Boron | ppm | ASTM D5185m | 400 | 37 | --- | --- |
| Barium | ppm | ASTM D5185m | 200 | 4 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 12 | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 9 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 12 | 3 | --- | --- |
| Calcium | ppm | ASTM D5185m | 150 | 22 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 1650 | 466 | --- | --- |
| Zinc | ppm | ASTM D5185m | 125 | 208 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 22500 | 16156 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 143 | 178 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0222087
Lab Number : 06232507
Unique Number : 11116000
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

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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