



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



Machine Id
JOHN DEERE 300G 1FF300GXTNF732045
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0212678 | JR0202756 | JR0161054 |
| Sample Date | | Client Info | | 19 May 2024 | 27 Feb 2024 | 01 Mar 2023 |
| Machine Age | hrs | Client Info | | 2468 | 2100 | 587 |
| Oil Age | hrs | Client Info | | 2468 | 2100 | 587 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Changed | Changed | N/A |
| Sample Status | | | | NORMAL | NORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-------|-------|
| PQ | | ASTM D8184 | >50 | 13 | 15 | 12 |
| Iron | ppm | ASTM D5185m | >32 | 3 | 4 | 2 |
| Chromium | ppm | ASTM D5185m | >9 | 0 | <1 | 0 |
| Nickel | ppm | ASTM D5185m | >5 | 0 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >9 | 0 | <1 | <1 |
| Lead | ppm | ASTM D5185m | >28 | <1 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >50 | 0 | 1 | 3 |
| Tin | ppm | ASTM D5185m | >5 | <1 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | LIGHT | LIGHT |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

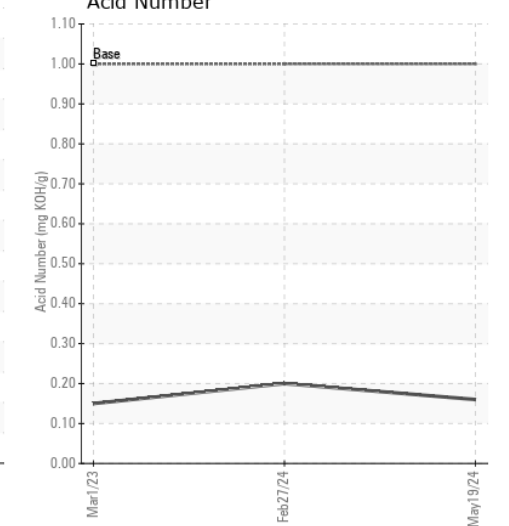
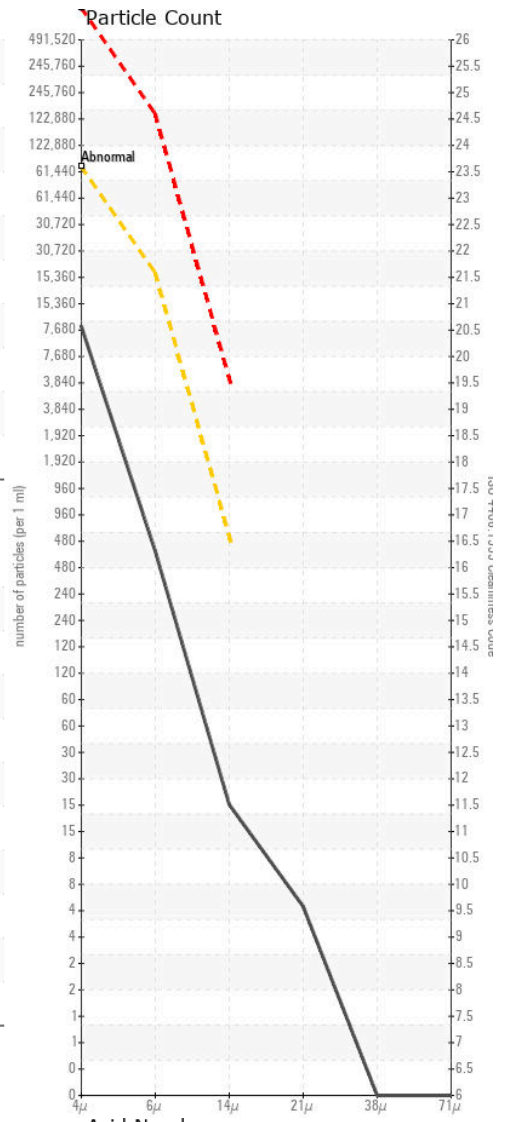
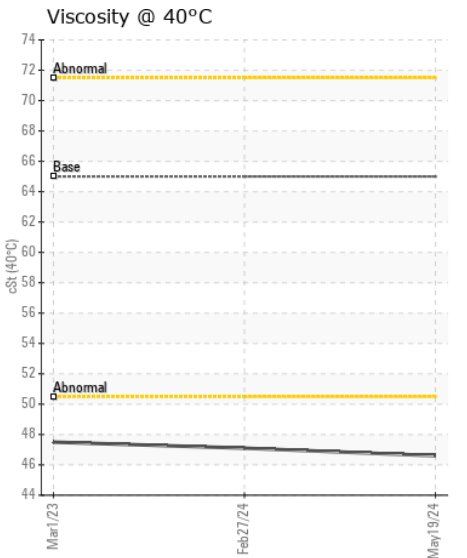
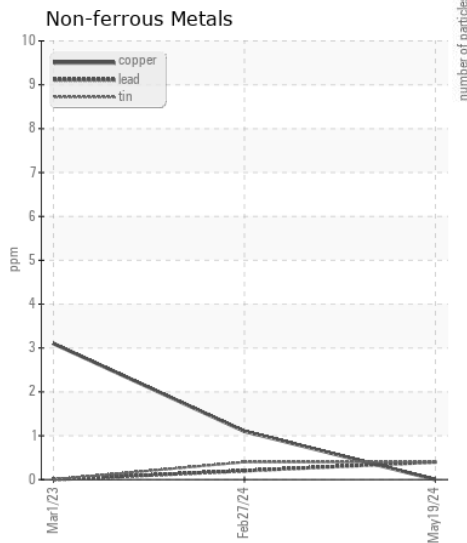
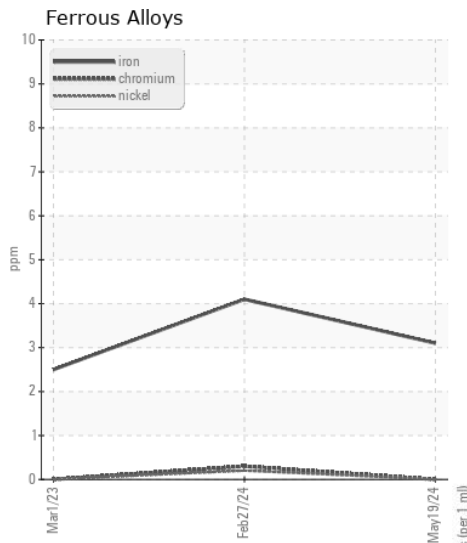
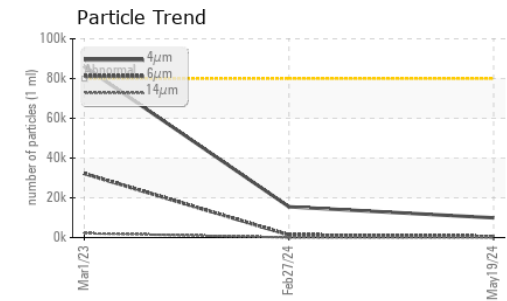
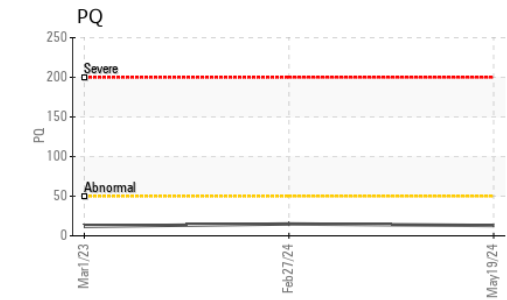
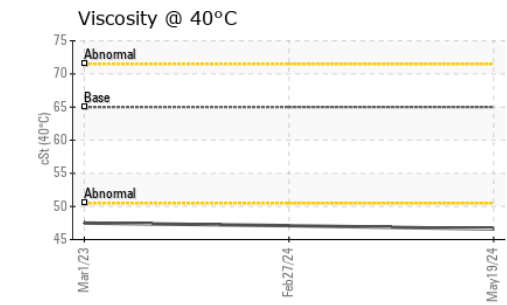
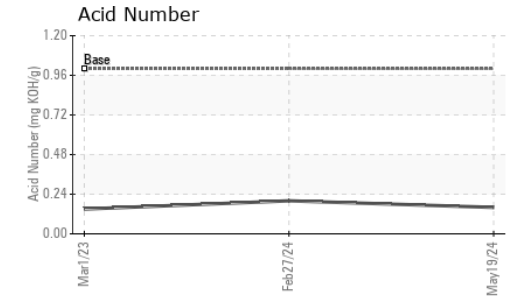
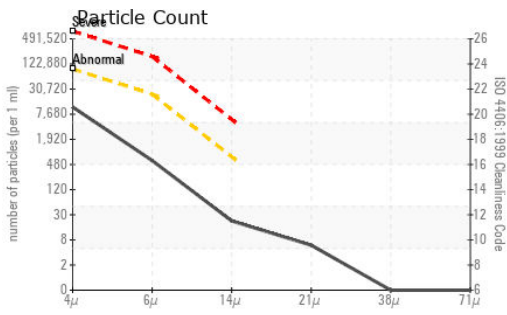
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|----------|------------|
| Silicon | ppm | ASTM D5185m | >11 | 1 | 1 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | <1 | 0 |
| Water | | WC Method | >0.075 | NEG | NEG | NEG |
| Particles >4µm | | ASTM D7647 | >80000 | 9929 | 15476 | ▲ 86027 |
| Particles >6µm | | ASTM D7647 | >20000 | 523 | 1311 | ▲ 32198 |
| Particles >14µm | | ASTM D7647 | >640 | 19 | 32 | ▲ 2179 |
| Particles >21µm | | ASTM D7647 | >160 | 5 | 12 | ▲ 277 |
| Particles >38µm | | ASTM D7647 | >40 | 0 | 3 | 6 |
| Particles >71µm | | ASTM D7647 | >10 | 0 | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >23/21/16 | 20/16/11 | 21/18/12 | ▲ 24/22/18 |
| 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | | | | | |
|------------------|----------|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | >21 | <1 | 0 | <1 |
| Boron | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Magnesium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Calcium | ppm | ASTM D5185m | 87 | 1 | 0 | 6 |
| Phosphorus | ppm | ASTM D5185m | 727 | 528 | 495 | 515 |
| Zinc | ppm | ASTM D5185m | 900 | 9 | 24 | 36 |
| Sulfur | ppm | ASTM D5185m | 1500 | 306 | 44 | 152 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.0 | 0.16 | 0.20 | 0.15 |
| Visc @ 40°C | cSt | ASTM D445 | 65 | 46.6 | 47.1 | 47.5 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212678 **Received** : 21 May 2024
Lab Number : 06186029 **Tested** : 22 May 2024
Unique Number : 11042781 **Diagnosed** : 23 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: RALEIGH SHOP
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (919)614-2260

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (919)779-5432