



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

Machine Id
JOHN DEERE 35G 1FF035GXAKK288327

Component
Hydraulic System

Fluid
{not provided} (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | JR0209680 | --- | --- |
| Sample Date | | Client Info | | 29 May 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 2435 | --- | --- |
| Oil Age | hrs | Client Info | | 2435 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | ABNORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|-------------|-----|-----|
| PQ | | ASTM D8184 | >50 | 17 | --- | --- |
| Iron | ppm | ASTM D5185m | >32 | 4 | --- | --- |
| Chromium | ppm | ASTM D5185m | >9 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m | >5 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >9 | 0 | --- | --- |
| Lead | ppm | ASTM D5185m | >28 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >50 | 2 | --- | --- |
| Tin | ppm | ASTM D5185m | >5 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

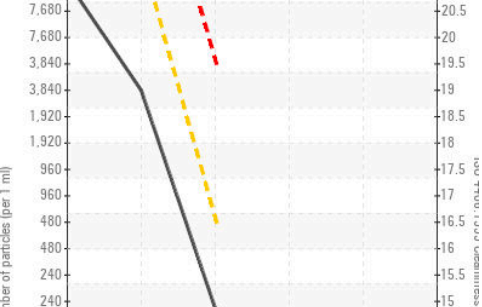
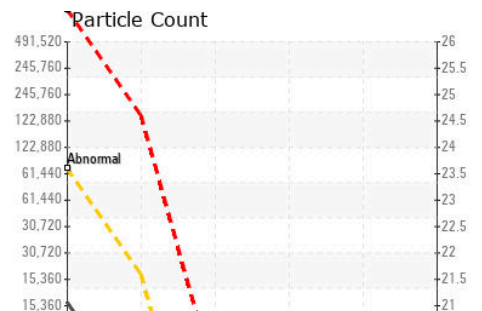
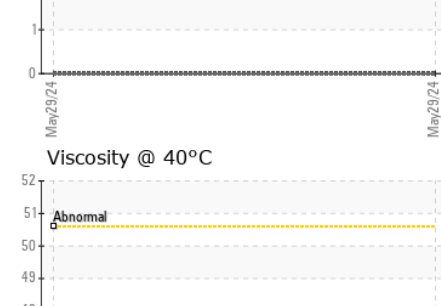
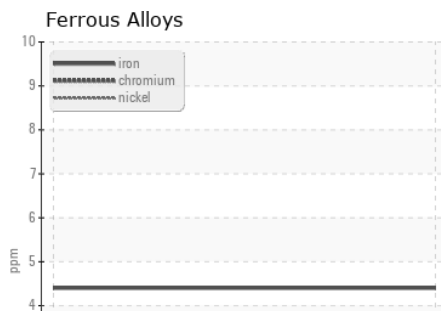
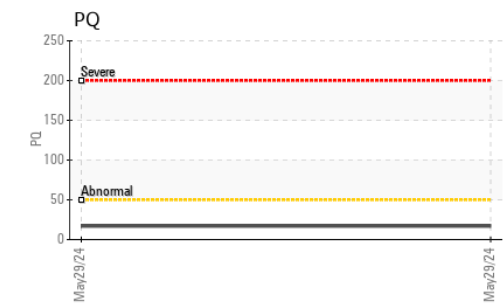
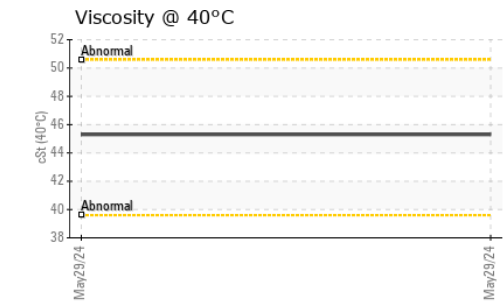
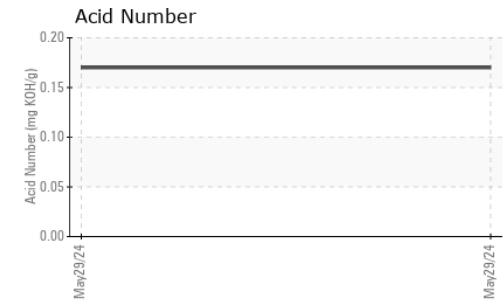
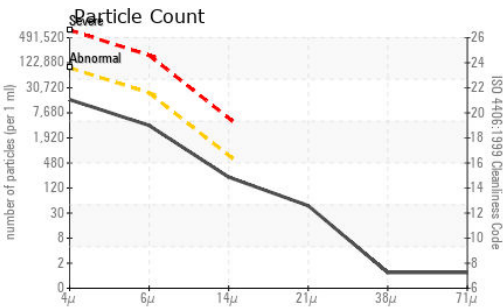
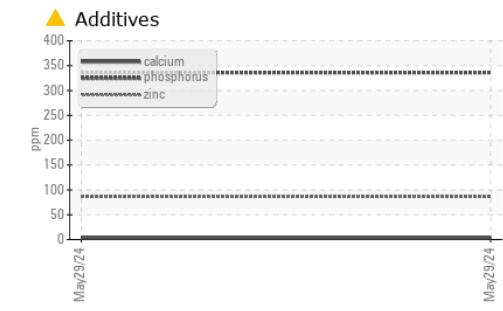
The amount and size of particulates present in the system are acceptable.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >11 | 0 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | --- | --- |
| Water | | WC Method | >0.075 | NEG | --- | --- |
| Particles >4µm | | ASTM D7647 | >80000 | 13917 | --- | --- |
| Particles >6µm | | ASTM D7647 | >20000 | 3339 | --- | --- |
| Particles >14µm | | ASTM D7647 | >640 | 193 | --- | --- |
| Particles >21µm | | ASTM D7647 | >160 | 40 | --- | --- |
| Particles >38µm | | ASTM D7647 | >40 | 1 | --- | --- |
| Particles >71µm | | ASTM D7647 | >10 | 1 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >23/21/16 | 21/19/15 | --- | --- |
| 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

Zinc level above manufacturer's recommendations. The AN level is acceptable for this fluid.

| | | | | | | |
|------------------|----------|-------------|-----|-------------|-----|-----|
| Sodium | ppm | ASTM D5185m | >21 | 2 | --- | --- |
| Boron | ppm | ASTM D5185m | | 0 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 2 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 3 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 336 | --- | --- |
| Zinc | ppm | ASTM D5185m | | ▲ 86 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 1282 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 0.17 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 45.3 | --- | --- |



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0209680 **Received** : 03 Jun 2024
Lab Number : 06197542 **Tested** : 04 Jun 2024
Unique Number : 11059665 **Diagnosed** : 04 Jun 2024 - Don Baldrige
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
 T: (919)614-2260
 F: (919)779-5432

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)