



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

Machine Id
JOHN DEERE 6175R 1RW6175RLJD033353

Component
Hydraulic System

Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | JR0193223 | --- | --- |
| Sample Date | | Client Info | | 10 Jan 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 5136 | --- | --- |
| Oil Age | hrs | Client Info | | 500 | --- | --- |
| Filter Age | hrs | Client Info | | 500 | --- | --- |
| Oil Changed | | Client Info | | N/A | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| PQ | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|--------------|----------|----------|
| | | ASTM D8184 | | 12 | --- | --- |
| Iron | ppm | ASTM D5185m | >20 | 0 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Lead | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Copper | ppm | ASTM D5185m | >75 | 0 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

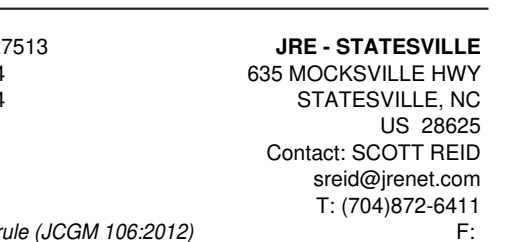
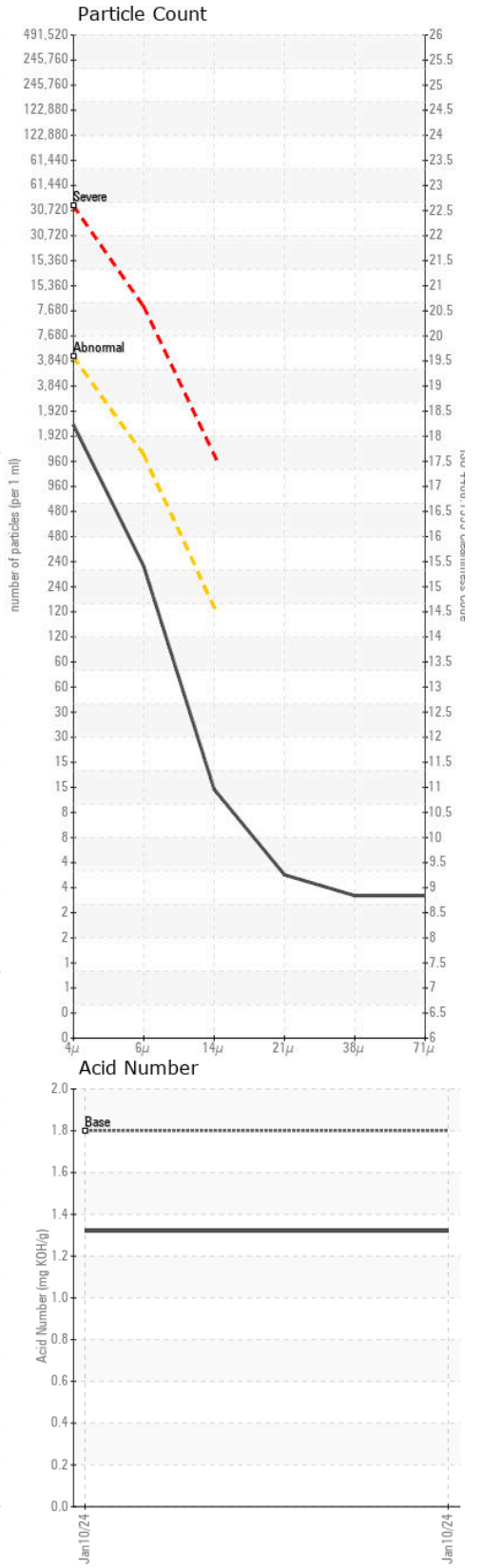
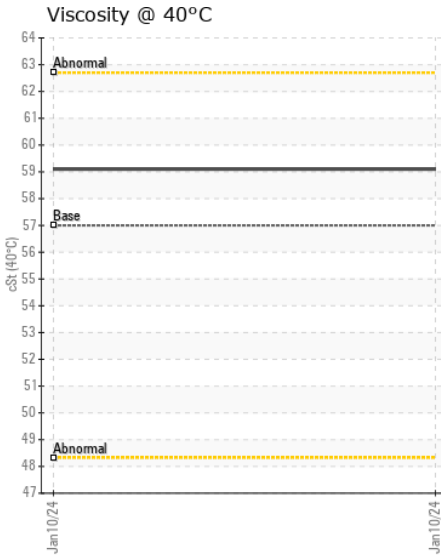
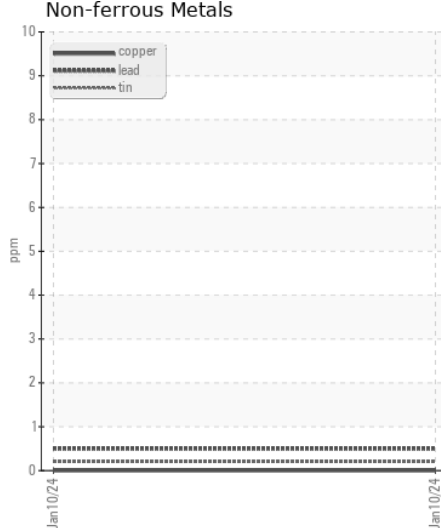
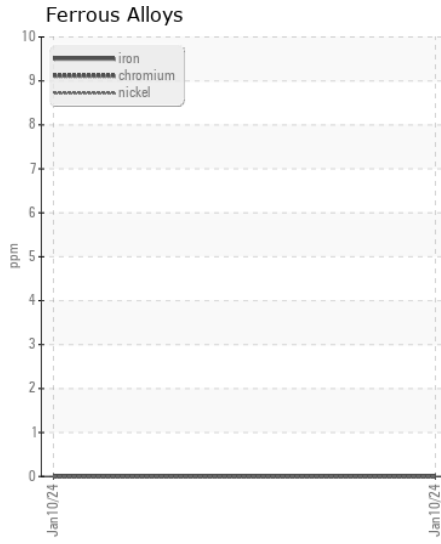
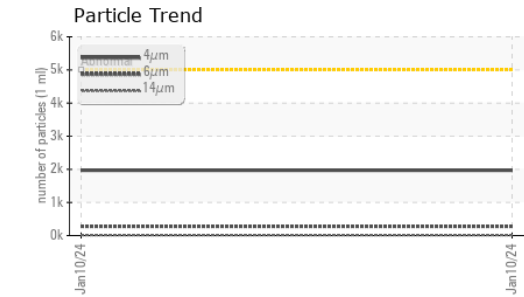
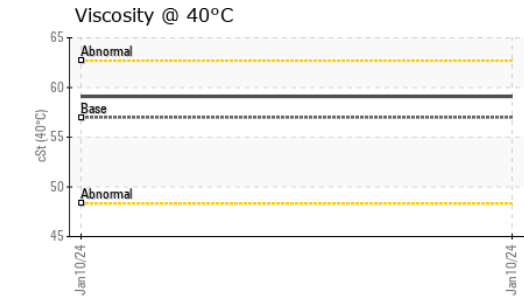
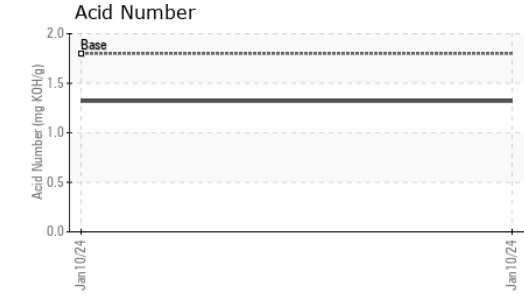
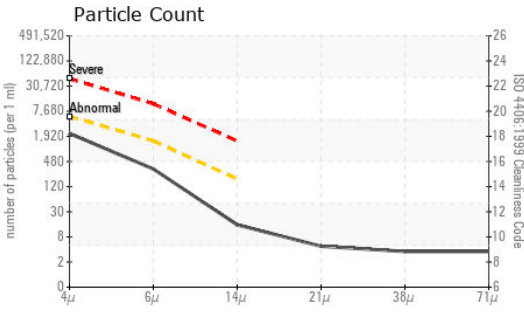
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >20 | 4 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | <1 | --- | --- |
| Water | | WC Method | >0.1 | NEG | --- | --- |
| Particles >4µm | | ASTM D7647 | >5000 | 1969 | --- | --- |
| Particles >6µm | | ASTM D7647 | >1300 | 279 | --- | --- |
| Particles >14µm | | ASTM D7647 | >160 | 13 | --- | --- |
| Particles >21µm | | ASTM D7647 | >40 | 4 | --- | --- |
| Particles >38µm | | ASTM D7647 | >10 | 3 | --- | --- |
| Particles >71µm | | ASTM D7647 | >3 | 3 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | 18/15/11 | --- | --- |
| 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 | >0.1 | 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 | | 0 | --- | --- |
| Boron | ppm | ASTM D5185m | 6 | 2 | --- | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 103 | --- | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 3190 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1040 | --- | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1223 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 3349 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.8 | 1.32 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 59.1 | --- | --- |



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0193223 **Received** : 18 Jan 2024
Lab Number : 06064187 **Diagnosed** : 19 Jan 2024
Unique Number : 10835569 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - STATESVILLE
 635 MOCKSVILLE HWY
 STATESVILLE, NC
 US 28625
 Contact: SCOTT REID
 sreid@jrenet.com
 T: (704)872-6411
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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)