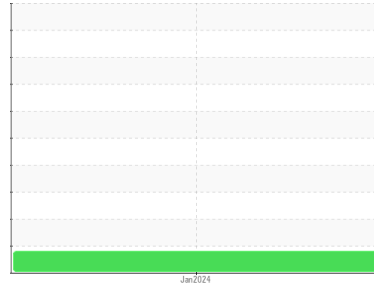


OIL ANALYSIS REPORT

Sample Rating Trend

ISO


Machine Id
JOHN DEERE 6175R NUTRIDENSE 6175R (S/N 1RW6175RLGD026055)
 Component
Hydraulic System
 Fluid
{not provided} (--- GAL)



DIAGNOSIS

- ▲ Recommendation**
 No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
 All component wear rates are normal.
- ▲ Contamination**
 There is a high amount of silt (particulates < 14 microns in size) present in the oil.
- Fluid Condition**
 The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | | JR0106791 | --- | --- |
| Sample Date | Client Info | | 12 Jan 2024 | --- | --- |
| Machine Age | hrs | Client Info | 2297 | --- | --- |
| Oil Age | hrs | Client Info | 500 | --- | --- |
| Oil Changed | Client Info | | Not Chngd | --- | --- |
| Sample Status | | | ABNORMAL | --- | --- |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.1 | NEG | --- | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|------------|-----------------|--------------|----------|----------|
| PQ | ASTM D8184 | | 18 | --- | --- |
| Iron | ppm | ASTM D5185m >20 | 22 | --- | --- |
| Chromium | ppm | ASTM D5185m >10 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m >10 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m >10 | 2 | --- | --- |
| Lead | ppm | ASTM D5185m >10 | 1 | --- | --- |
| Copper | ppm | ASTM D5185m >75 | 8 | --- | --- |
| Tin | ppm | ASTM D5185m >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | 0 | --- | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 2 | --- | --- |
| Barium | ppm | ASTM D5185m | 3 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | <1 | --- | --- |
| Manganese | ppm | ASTM D5185m | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 97 | --- | --- |
| Calcium | ppm | ASTM D5185m | 3279 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 1035 | --- | --- |
| Zinc | ppm | ASTM D5185m | 1209 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 4099 | --- | --- |

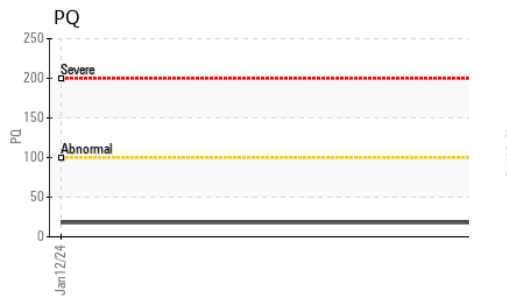
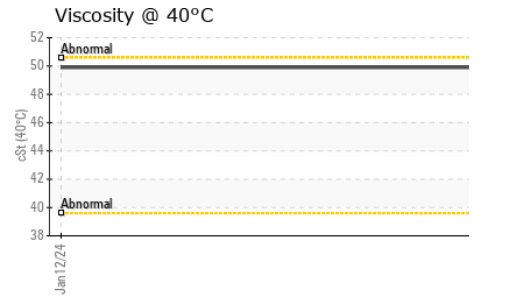
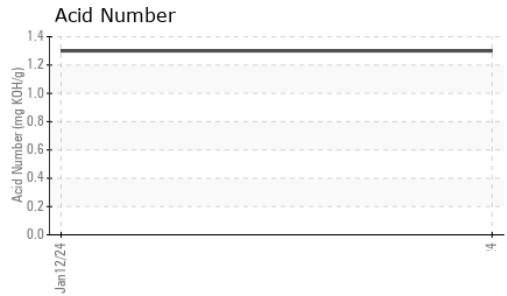
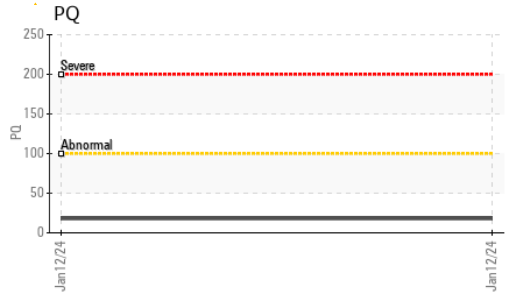
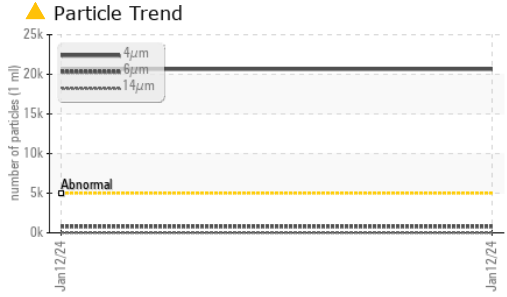
CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m >20 | 4 | --- | --- |
| Sodium | ppm | ASTM D5185m | 0 | --- | --- |
| Potassium | ppm | ASTM D5185m >20 | 2 | --- | --- |

FLUID CLEANLINESS

| | method | limit/base | current | history1 | history2 |
|-----------------|--------------|------------|-------------------|----------|----------|
| Particles >4µm | ASTM D7647 | >5000 | ▲ 20652 | --- | --- |
| Particles >6µm | ASTM D7647 | >1300 | 797 | --- | --- |
| Particles >14µm | ASTM D7647 | >160 | 22 | --- | --- |
| Particles >21µm | ASTM D7647 | >40 | 3 | --- | --- |
| Particles >38µm | ASTM D7647 | >10 | 1 | --- | --- |
| Particles >71µm | ASTM D7647 | >3 | 0 | --- | --- |
| Oil Cleanliness | ISO 4406 (c) | >19/17/14 | ▲ 22/17/12 | --- | --- |

OIL ANALYSIS REPORT

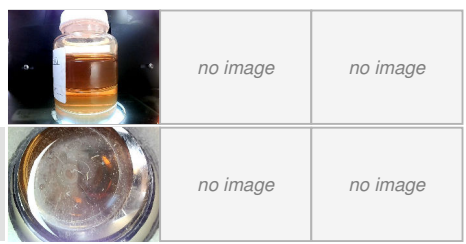


| FLUID DEGRADATION | method | limit/base | current | history1 | history2 |
|-------------------|----------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.30 | --- | --- |

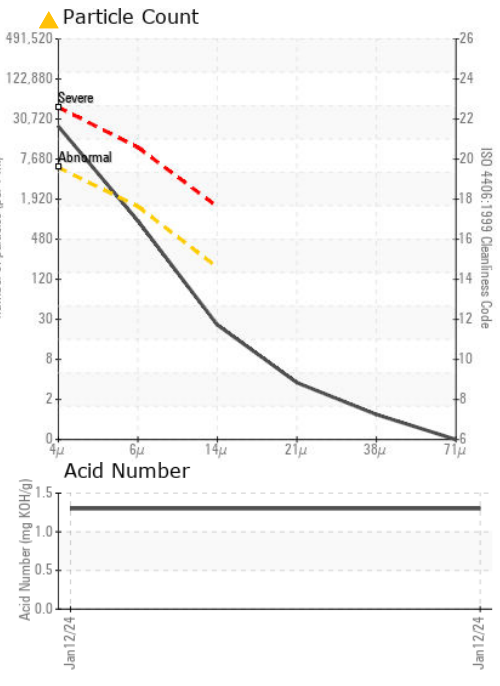
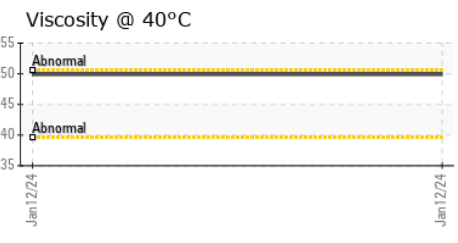
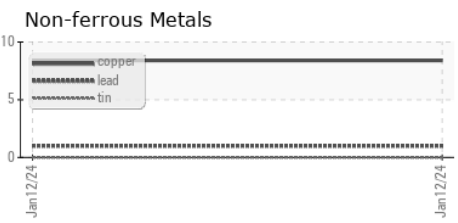
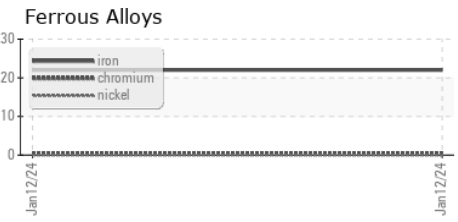
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | --- | --- |
| Precipitate | scalar | *Visual | NONE | --- | --- |
| Silt | scalar | *Visual | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.1 | --- | --- |
| Free Water | scalar | *Visual | --- | --- | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|-------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 49.9 | --- | --- |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
| Color | | | | | |
| Bottom | | | | | |



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0106791 **Received** : 17 Jan 2024
Lab Number : 06063521 **Diagnosed** : 19 Jan 2024
Unique Number : 10834903 **Diagnostician** : Don Baldrige
Test Package : MOBCE (Additional Tests: PQ)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DUSTIN HATCHETT
 dustin.hatchett@jamesriverequipment.com
 T:
 F: (804)798-0292

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)