



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

Area
[W65685]

Machine Id
JOHN DEERE 544G 1YN544GAKPLA00194

Component
Rear Differential

Fluid
JOHN DEERE HY-GARD HYD/TRANS (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W65685)

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | JR0205349 | --- | --- |
| Sample Date | | Client Info | | 04 Apr 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 450 | --- | --- |
| Oil Age | hrs | Client Info | | 450 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-----|-----|
| PQ | | ASTM D8184 | | 96 | --- | --- |
| Iron | ppm | ASTM D5185m | >500 | 120 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | --- | --- |
| Lead | ppm | ASTM D5185m | >25 | 9 | --- | --- |
| Copper | ppm | ASTM D5185m | >100 | 17 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

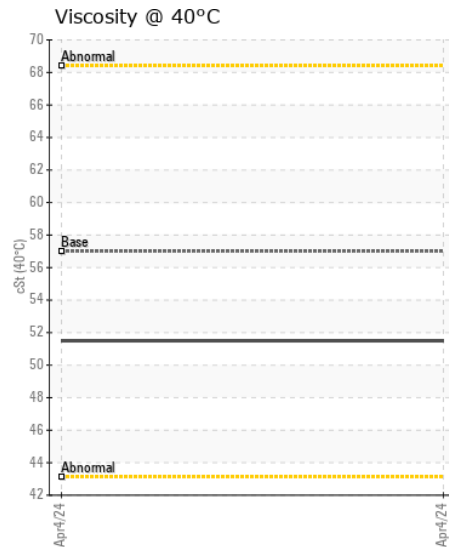
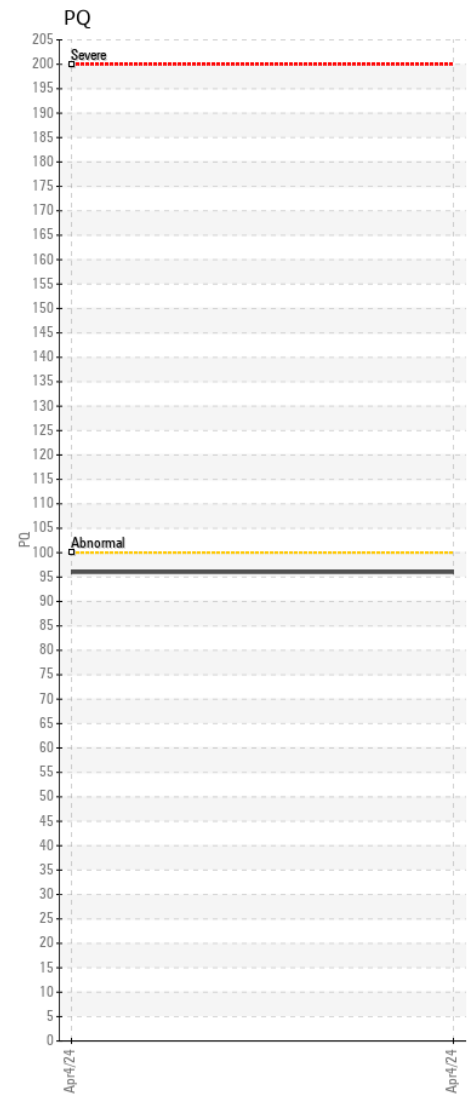
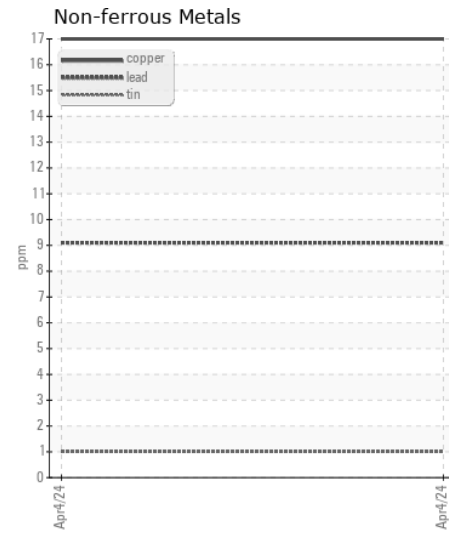
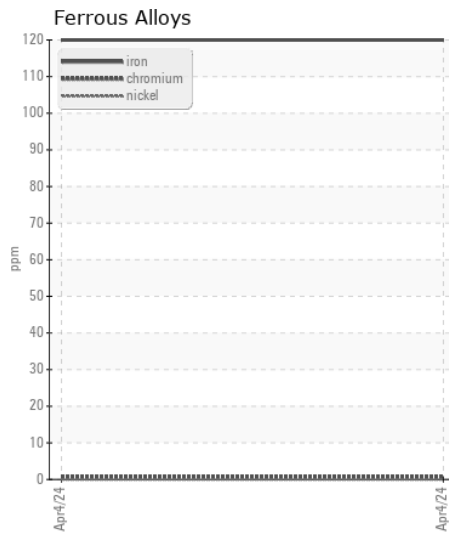
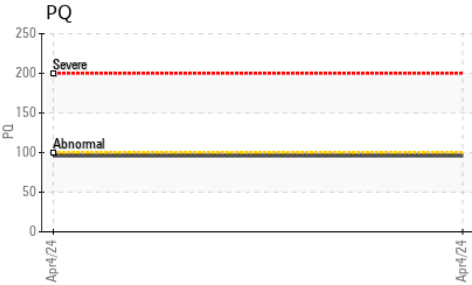
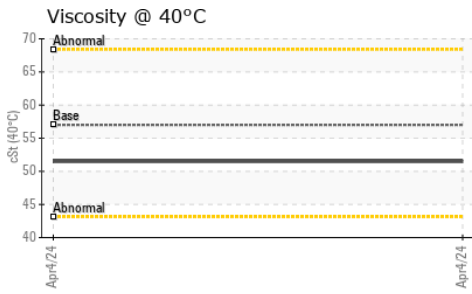
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >75 | 22 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | --- | --- |
| Water | | WC Method | >.2 | NEG | --- | --- |
| Silt | scalar | *Visual | NONE | MODER | --- | --- |
| 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 | >.2 | NEG | --- | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|-------------|-----|-----|
| Sodium | ppm | ASTM D5185m | | 5 | --- | --- |
| Boron | ppm | ASTM D5185m | 6 | 2 | --- | --- |
| Barium | ppm | ASTM D5185m | 0 | 5 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 2 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 6 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 96 | --- | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 3440 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1004 | --- | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1203 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 3997 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 51.5 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205349 **Received** : 12 Apr 2024
Lab Number : 06147622 **Tested** : 15 Apr 2024
Unique Number : 10977700 **Diagnosed** : 16 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.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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