



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

Area

[16W14674]

Machine Id

JOHN DEERE 748L 1DW748LBCNF714000

Component

Front Differential

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W14674)

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | JR0185431 | JR0098279 | --- |
| Sample Date | | Client Info | | 03 Oct 2023 | 07 Jul 2023 | --- |
| Machine Age | hrs | Client Info | | 2536 | 2105 | --- |
| Oil Age | hrs | Client Info | | 431 | 1575 | --- |
| Filter Age | hrs | Client Info | | 431 | 976 | --- |
| Oil Changed | | Client Info | | Not Changed | Changed | --- |
| Filter Changed | | Client Info | | Not Changed | Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| PQ | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|--------------|----------|----------|
| PQ | | ASTM D8184 | | 17 | 15 | --- |
| Iron | ppm | ASTM D5185m | >500 | 7 | 71 | --- |
| Chromium | ppm | ASTM D5185m | >10 | <1 | <1 | --- |
| Nickel | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | --- |
| Silver | ppm | ASTM D5185m | | 0 | <1 | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 1 | 1 | --- |
| Lead | ppm | ASTM D5185m | >25 | 1 | 4 | --- |
| Copper | ppm | ASTM D5185m | >100 | 3 | 28 | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | 2 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

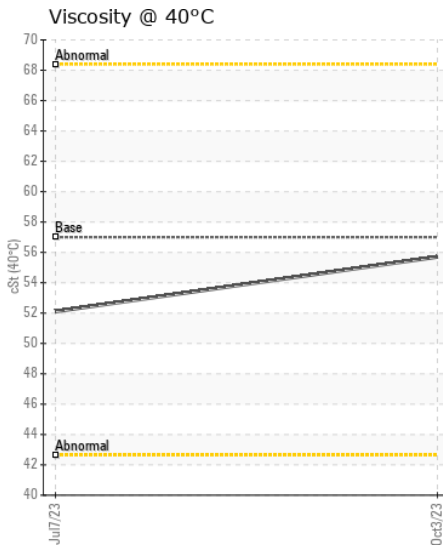
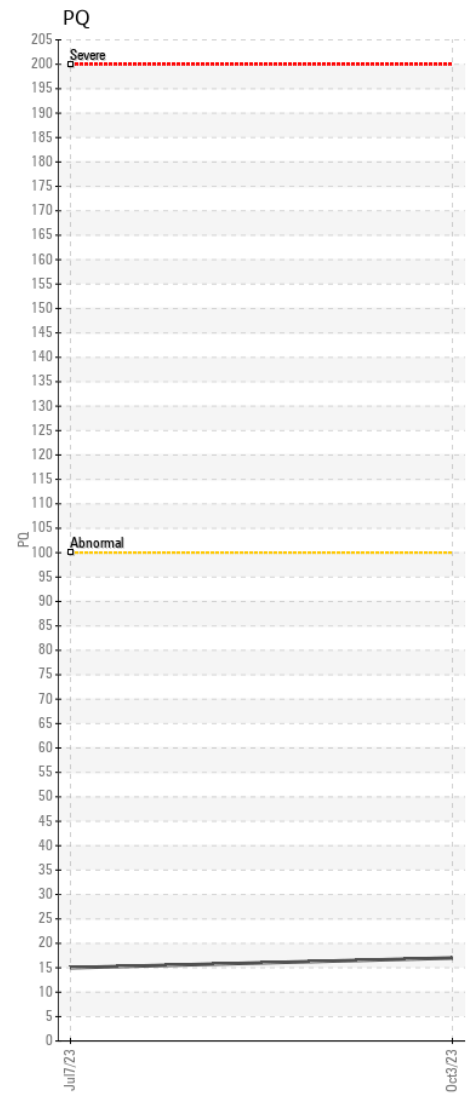
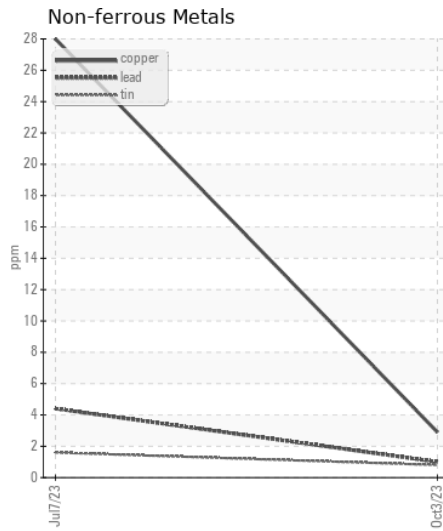
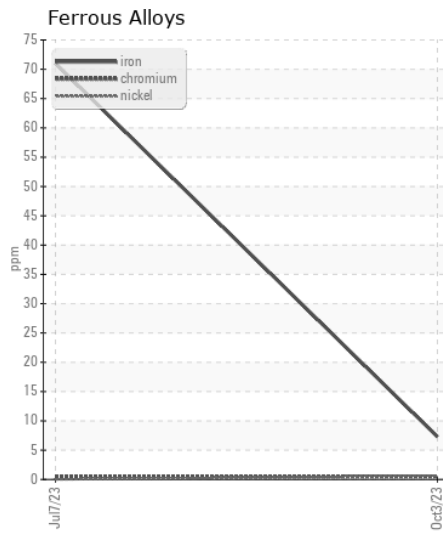
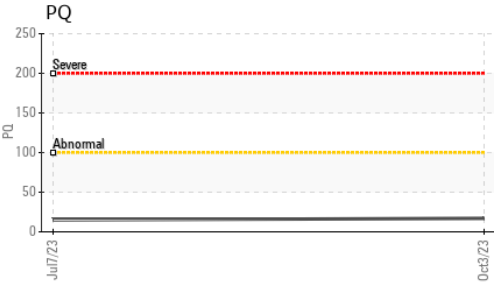
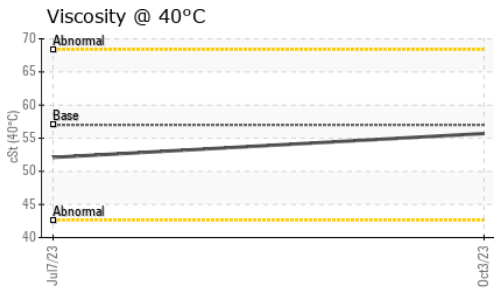
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >75 | 4 | 4 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 2 | --- |
| Water | | WC Method | >.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >.2 | NEG | NEG | --- |

FLUID CONDITION

The condition of the oil is suitable for further service.

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|-----|
| Sodium | ppm | ASTM D5185m | | 2 | 6 | --- |
| Boron | ppm | ASTM D5185m | 6 | 0 | 1 | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | 4 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 1 | --- |
| Manganese | ppm | ASTM D5185m | | <1 | 3 | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 39 | 102 | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 1229 | 3648 | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 804 | 1088 | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1013 | 1354 | --- |
| Sulfur | ppm | ASTM D5185m | | 2313 | 4614 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 55.7 | 52.1 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0185431 **Received** : 05 Oct 2023
Lab Number : 05970982 **Diagnosed** : 12 Oct 2023
Unique Number : 10682932 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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