



**James River
Equipment**

OIL ANALYSIS REPORT

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



Machine Id
JOHN DEERE 655K 1T0655KXEEE272750
Component
Hydrostatic
Fluid
JOHN DEERE HYDRAU (28 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | JR0210760 | JRMC462468 | --- |
| Sample Date | | Client Info | | 22 May 2024 | 09 Oct 2018 | --- |
| Machine Age | hrs | Client Info | | 2380 | 1776 | --- |
| Oil Age | hrs | Client Info | | 1776 | 0 | --- |
| Filter Age | hrs | Client Info | | 1776 | 0 | --- |
| Oil Changed | | Client Info | | N/A | Changed | --- |
| Filter Changed | | Client Info | | N/A | Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| PQ | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|--------------|----------|----------|
| PQ | | ASTM D8184 | | 15 | 16 | --- |
| Iron | ppm | ASTM D5185m | >31 | 3 | 4 | --- |
| Chromium | ppm | ASTM D5185m | >9 | <1 | <1 | --- |
| Nickel | ppm | ASTM D5185m | >5 | <1 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | 1 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >10 | 1 | <1 | --- |
| Lead | ppm | ASTM D5185m | >11 | 3 | 4 | --- |
| Copper | ppm | ASTM D5185m | >41 | 12 | 10 | --- |
| Tin | ppm | ASTM D5185m | >5 | <1 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

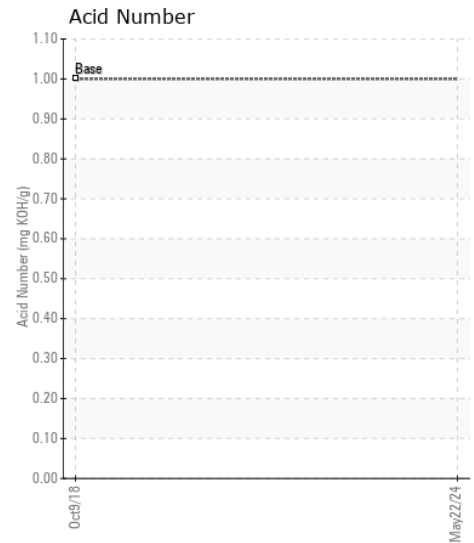
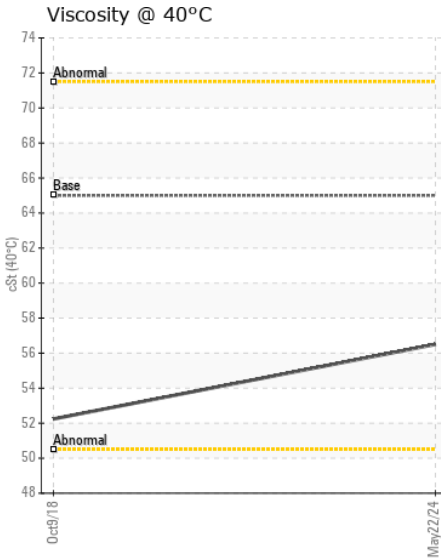
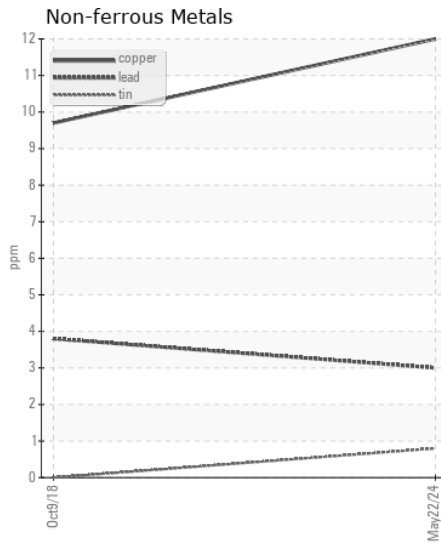
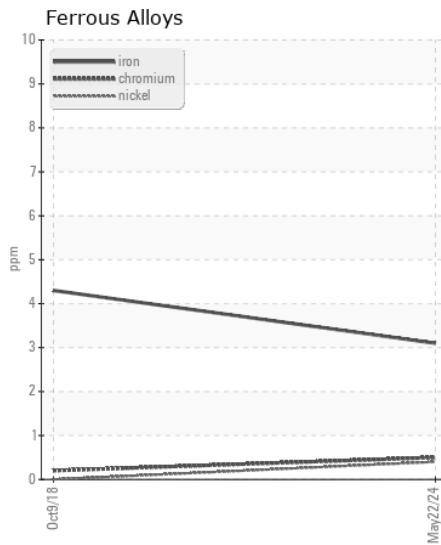
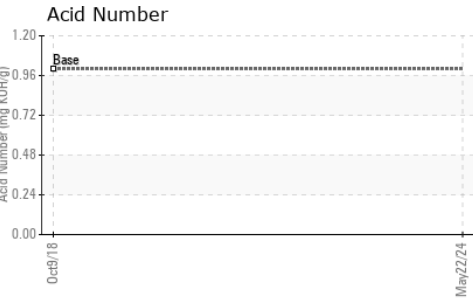
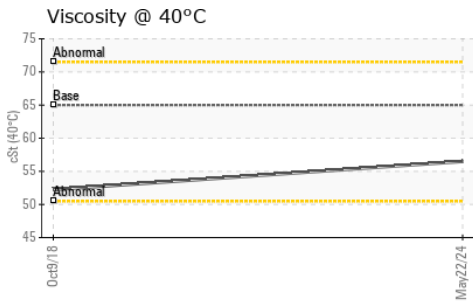
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >31 | 3 | 6 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 2 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | LIGHT | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|--------------|-------|-----|
| Sodium | ppm | ASTM D5185m | >21 | 0 | 1 | --- |
| Boron | ppm | ASTM D5185m | | 0 | 2 | --- |
| Barium | ppm | ASTM D5185m | | 2 | 4 | --- |
| Molybdenum | ppm | ASTM D5185m | | 1 | 1 | --- |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | | 77 | 290 | --- |
| Calcium | ppm | ASTM D5185m | 87 | 780 | 2486 | --- |
| Phosphorus | ppm | ASTM D5185m | 727 | 775 | 1078 | --- |
| Zinc | ppm | ASTM D5185m | 900 | 1000 | 1326 | --- |
| Sulfur | ppm | ASTM D5185m | 1500 | 2393 | 3275 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 65 | 56.5 | 52.24 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210760 **Received** : 24 May 2024
Lab Number : 06191254 **Tested** : 29 May 2024
Unique Number : 11048006 **Diagnosed** : 29 May 2024 - Angela Borella
Test Package : CONST (Additional Tests: PQ, PRTCOUNT)

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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