



OIL ANALYSIS REPORT



Area
Store 8 - Pikeville [152975]
Machine Id
1T0950KPHJF335977
Component
Right Outer Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (8 GAL)

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

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | LEC0049151 | LEC0048240 | LEC0045397 |
| Sample Date | | Client Info | | 15 Jul 2024 | 20 Mar 2024 | 01 Nov 2023 |
| Machine Age | hrs | Client Info | | 4941 | 4460 | 3748 |
| Oil Age | hrs | Client Info | | 481 | 1286 | 574 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | Not Changd |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|------|------|
| PQ | | ASTM D8184 | >1250 | 23 | 34 | 16 |
| Iron | ppm | ASTM D5185m | >750 | 13 | 54 | 15 |
| Chromium | ppm | ASTM D5185m | >9 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 1 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | 1 | 8 | 2 |
| Lead | ppm | ASTM D5185m | >15 | 0 | <1 | <1 |
| Copper | ppm | ASTM D5185m | >40 | 0 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >10 | 0 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

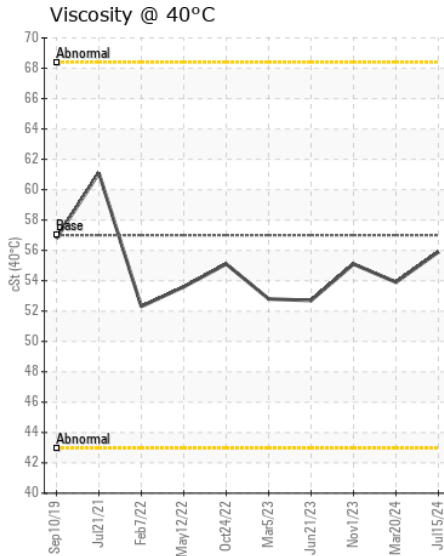
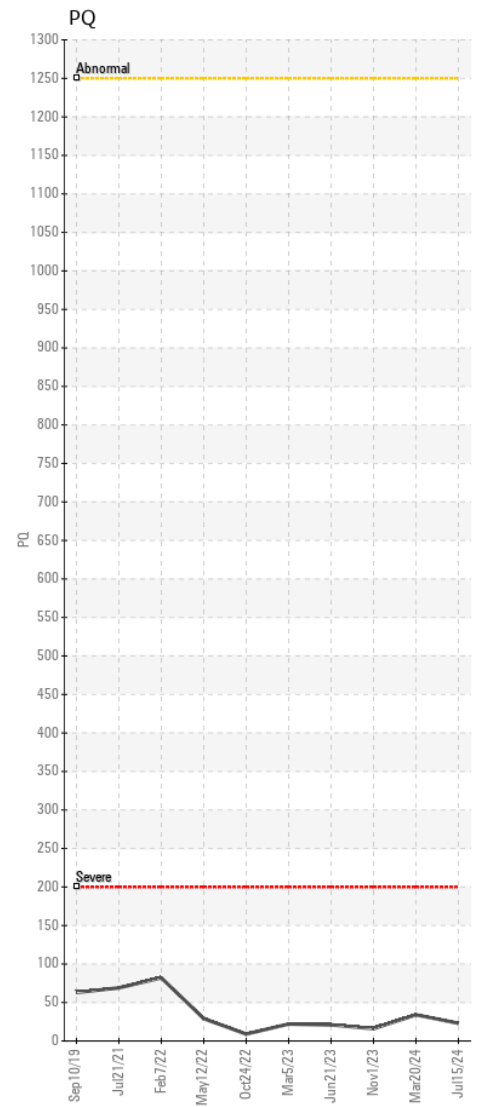
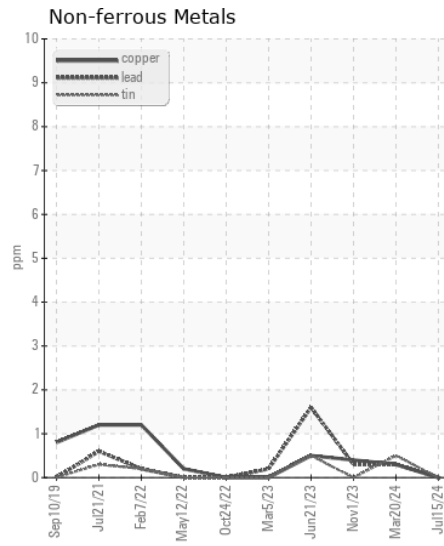
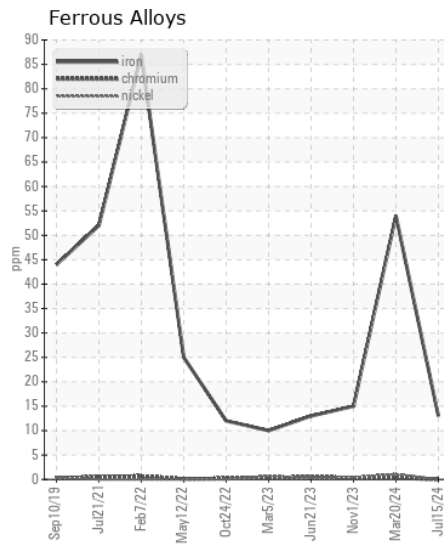
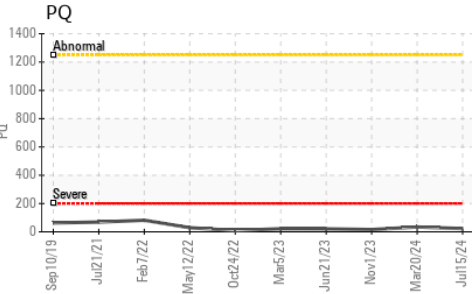
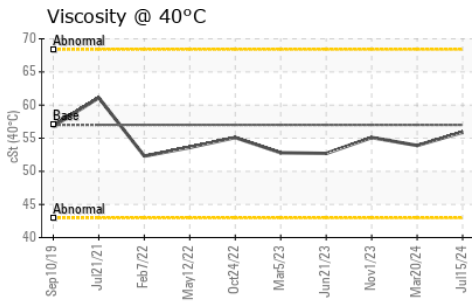
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|--------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 10 | 33 | 8 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 3 | 2 |
| Water | | WC Method | >0.075 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.075 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | >51 | 1 | 2 | 0 |
| Boron | ppm | ASTM D5185m | 6 | 4 | 0 | 2 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 5 |
| Molybdenum | ppm | ASTM D5185m | 0 | 5 | 0 | <1 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 145 | 116 | 102 | 94 |
| Calcium | ppm | ASTM D5185m | 3570 | 3406 | 3587 | 3252 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1001 | 1071 | 1001 |
| Zinc | ppm | ASTM D5185m | 1640 | 1191 | 1277 | 1198 |
| Sulfur | ppm | ASTM D5185m | | 3882 | 4071 | 4236 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 55.9 | 53.9 | 55.1 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049151 **Received** : 17 Jul 2024
Lab Number : 06239450 **Tested** : 18 Jul 2024
Unique Number : 11128284 **Diagnosed** : 18 Jul 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.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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