



| | |
|-----------------|------------------|
| WEAR | ATTENTION |
| CONTAMINATION | ABNORMAL |
| FLUID CONDITION | NORMAL |



Machine Id
5043
Component
Left Outer Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

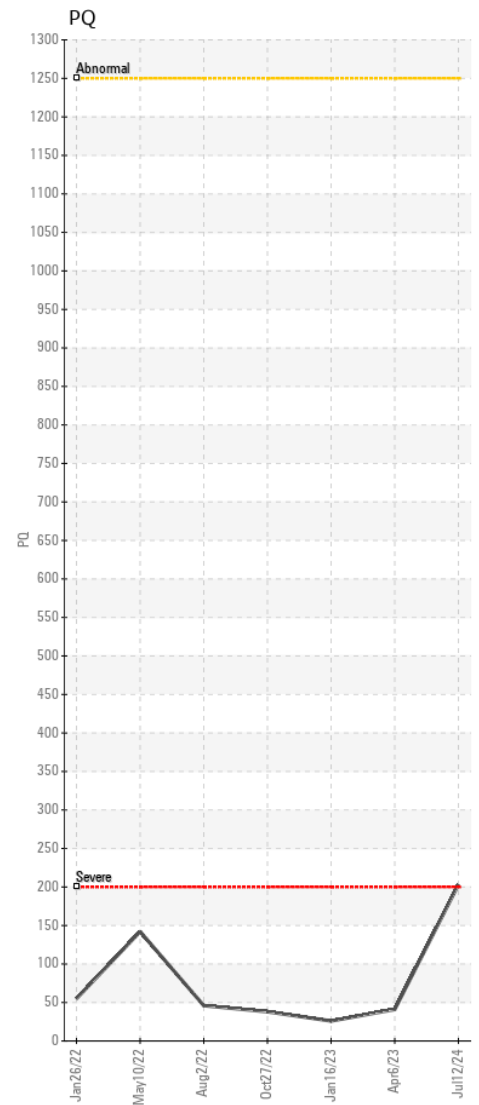
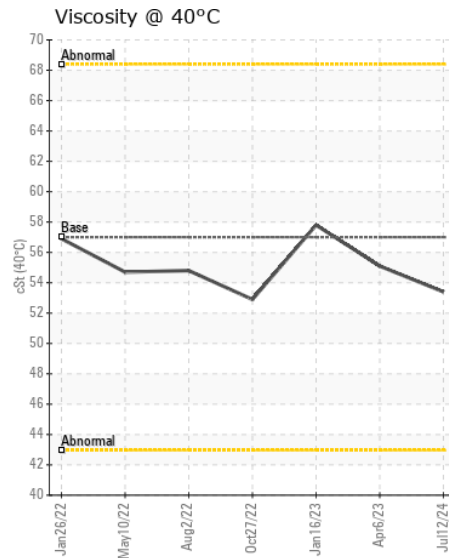
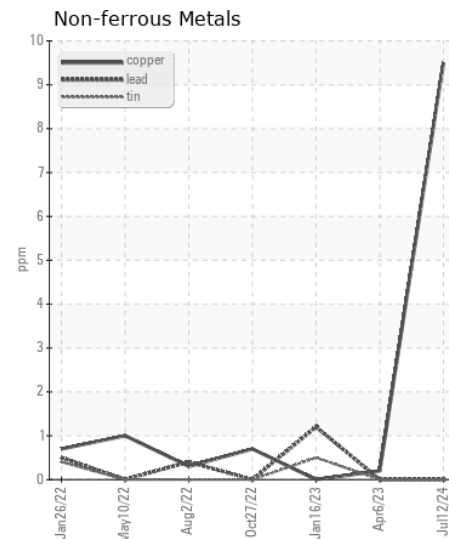
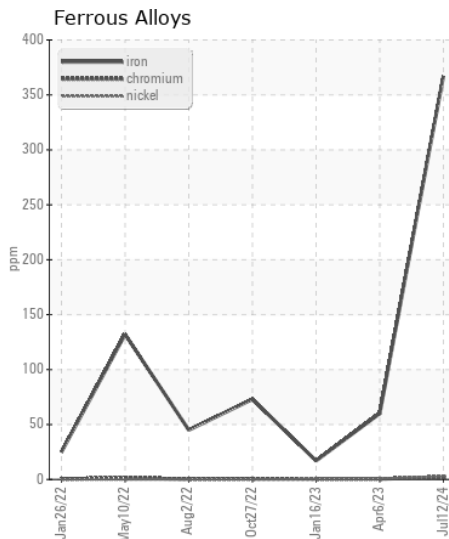
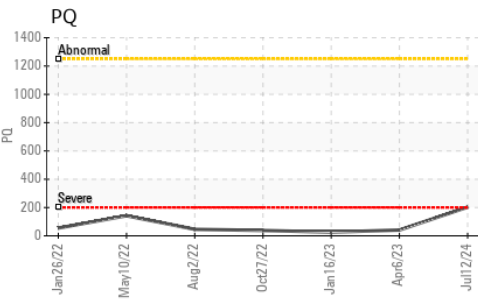
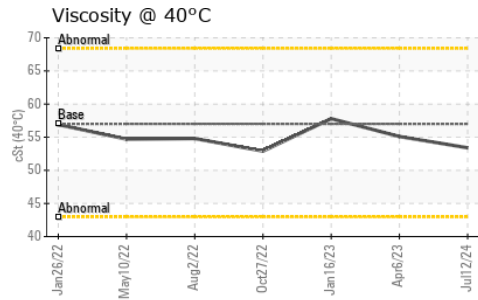
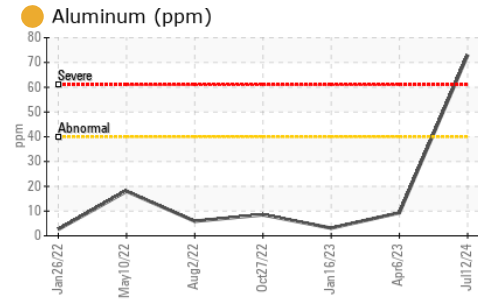
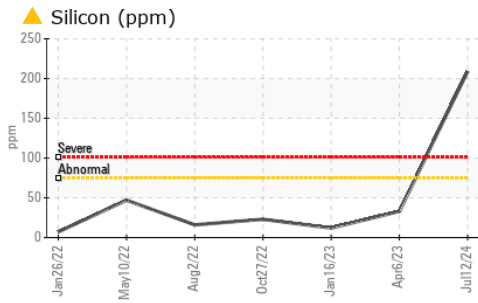
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | JR0221244 | JR0137962 | JR0152035 |
| Sample Date | | Client Info | | 12 Jul 2024 | 06 Apr 2023 | 16 Jan 2023 |
| Machine Age | hrs | Client Info | | 5395 | 3011 | 2470 |
| Oil Age | hrs | Client Info | | 2384 | 1000 | 0 |
| Filter Age | hrs | Client Info | | 2384 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | N/A |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | ABNORMAL | NORMAL | NORMAL |
| PQ | | ASTM D8184 | >1250 | 203 | 41 | 26 |
| Iron | ppm | ASTM D5185m | >750 | 367 | 60 | 17 |
| Chromium | ppm | ASTM D5185m | >9 | 2 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | 3 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | 5 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >40 | 73 | 9 | 3 |
| Lead | ppm | ASTM D5185m | >15 | 0 | 0 | 1 |
| Copper | ppm | ASTM D5185m | >40 | 10 | <1 | 0 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | MODER | MODER |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >75 | 209 | 33 | 12 |
| Potassium | ppm | ASTM D5185m | >20 | 23 | 3 | 0 |
| Water | | WC Method | >0.075 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | MODER | 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 |
| Sodium | ppm | ASTM D5185m | >51 | 0 | <1 | 1 |
| Boron | ppm | ASTM D5185m | 6 | 6 | <1 | 1 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | <1 |
| Molybdenum | ppm | ASTM D5185m | 0 | 8 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | 4 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 145 | 122 | 90 | 95 |
| Calcium | ppm | ASTM D5185m | 3570 | 3541 | 3196 | 3270 |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1044 | 928 | 945 |
| Zinc | ppm | ASTM D5185m | 1640 | 1234 | 1131 | 1149 |
| Sulfur | ppm | ASTM D5185m | | 3542 | 3238 | 3698 |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 53.4 | 55.1 | 57.8 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221244 **Received** : 18 Jul 2024
Lab Number : 06240588 **Tested** : 19 Jul 2024
Unique Number : 11129422 **Diagnosed** : 20 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PQ)

PATRIOT DEVELOPMENT CORP
 22721 LADBROOK DRIVE STE 120
 STERLING, VA
 US 20166
 Contact: ROBERT MOSS
 robert.moss@patriotdev.net

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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F: