



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

Area

[05W46909]

Machine Id

JOHN DEERE 624 P 1DW624PATPLX19403

Component

Front Axle

Fluid

JOHN DEERE HY-GARD HYD/TRANS (23 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | JR0217806 | --- | --- |
| Sample Date | | Client Info | | 29 May 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 472 | --- | --- |
| Oil Age | hrs | Client Info | | 472 | --- | --- |
| Filter Age | hrs | Client Info | | 472 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | ABNORMAL | --- | --- |

WEAR

Bearing and/or bushing wear is indicated.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|--------------|----------|----------|
| PQ | | ASTM D8184 | | 27 | --- | --- |
| Iron | ppm | ASTM D5185m | >750 | 66 | --- | --- |
| Chromium | ppm | ASTM D5185m | >11 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >21 | <1 | --- | --- |
| Lead | ppm | ASTM D5185m | >49 | 14 | --- | --- |
| Copper | ppm | ASTM D5185m | >101 | ▲ 106 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 2 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

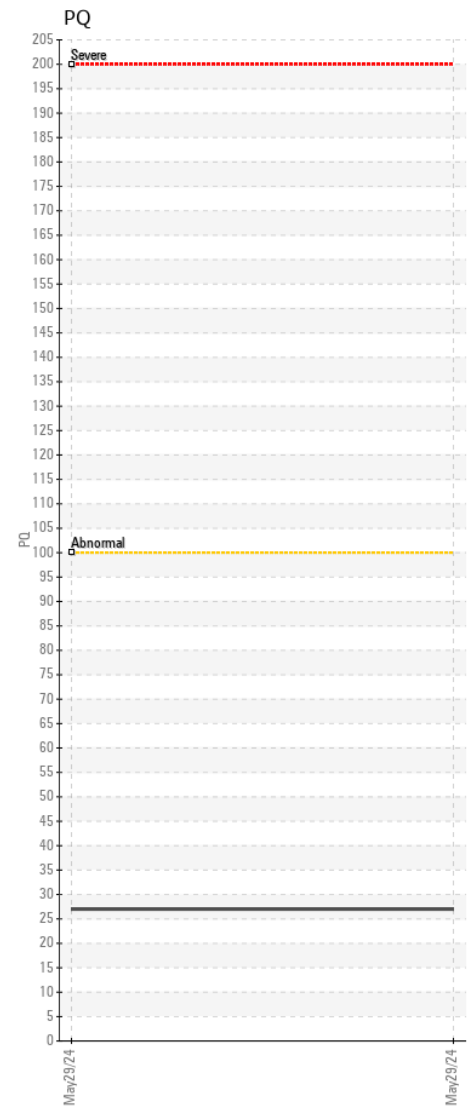
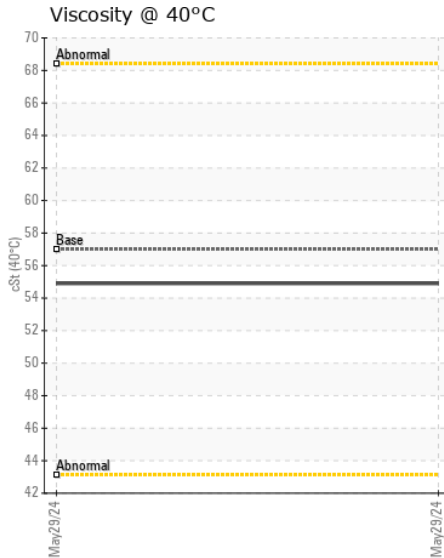
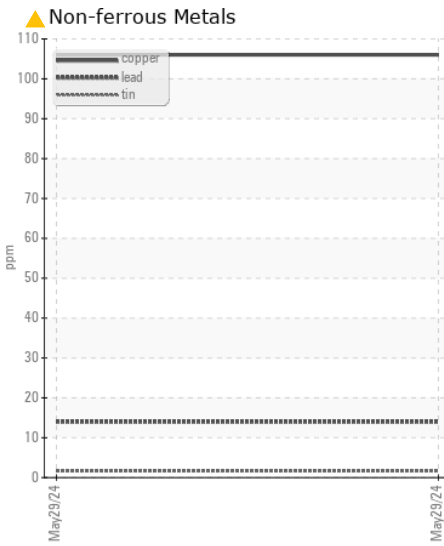
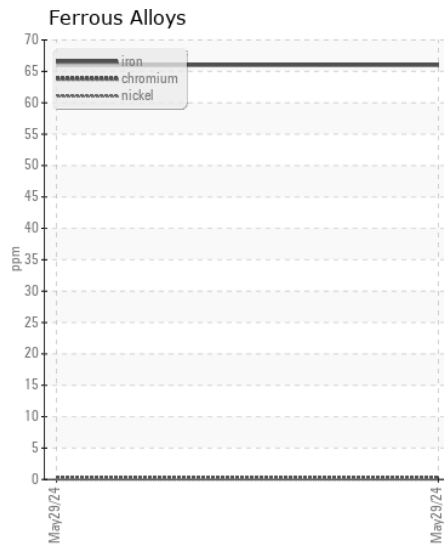
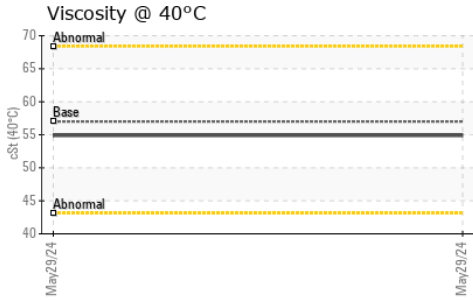
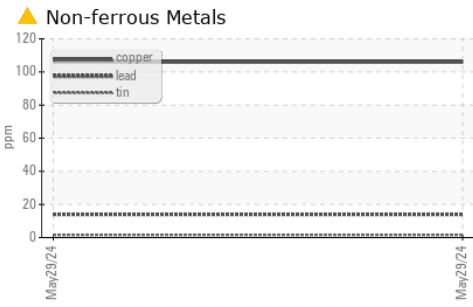
There is no indication of any contamination in the oil.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >31 | 11 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 1 | --- | --- |
| Water | | WC Method | >0.1 | NEG | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| 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 | >0.1 | NEG | --- | --- |

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|-------------|-----|-------------|-----------|-------------|----------|----------|
| Sodium | ppm | ASTM D5185m | >51 | 9 | --- | --- |
| Boron | ppm | ASTM D5185m | 6 | 12 | --- | --- |
| Barium | ppm | ASTM D5185m | 0 | 4 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 9 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 2 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 145 | 115 | --- | --- |
| Calcium | ppm | ASTM D5185m | 3570 | 3502 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 1290 | 1068 | --- | --- |
| Zinc | ppm | ASTM D5185m | 1640 | 1202 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 4342 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.0 | 54.9 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217806 **Received** : 31 May 2024
Lab Number : 06196946 **Tested** : 03 Jun 2024
Unique Number : 11059069 **Diagnosed** : 03 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

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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)