



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

Machine Id  
**JOHN DEERE 744P 1DW744PATPLX06133**

Component  
**Hydraulic System**

Fluid  
**JOHN DEERE HYDRAU XR (--- GAL)**

### 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 |           | JR0195370   | ---      | ---      |
| Sample Date    |     | Client Info |           | 10 May 2024 | ---      | ---      |
| Machine Age    | hrs | Client Info |           | 175         | ---      | ---      |
| Oil Age        | hrs | Client Info |           | 0           | ---      | ---      |
| Filter Age     | hrs | Client Info |           | 0           | ---      | ---      |
| Oil Changed    |     | Client Info |           | Not Chngd   | ---      | ---      |
| Filter Changed |     | Client Info |           | Not Chngd   | ---      | ---      |
| Sample Status  |     |             |           | ATTENTION   | ---      | ---      |

### WEAR

All component wear rates are normal.

| PQ           | UOM    | Method      | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|---------|----------|----------|
| PQ           |        | ASTM D8184  |           | 17      | ---      | ---      |
| Iron         | ppm    | ASTM D5185m | >20       | 0       | ---      | ---      |
| Chromium     | ppm    | ASTM D5185m | >10       | <1      | ---      | ---      |
| Nickel       | ppm    | ASTM D5185m | >10       | 0       | ---      | ---      |
| Titanium     | ppm    | ASTM D5185m |           | 0       | ---      | ---      |
| Silver       | ppm    | ASTM D5185m |           | 0       | ---      | ---      |
| Aluminum     | ppm    | ASTM D5185m | >10       | 0       | ---      | ---      |
| Lead         | ppm    | ASTM D5185m | >10       | 0       | ---      | ---      |
| Copper       | ppm    | ASTM D5185m | >75       | 0       | ---      | ---      |
| Tin          | ppm    | ASTM D5185m | >10       | <1      | ---      | ---      |
| Vanadium     | ppm    | ASTM D5185m |           | 0       | ---      | ---      |
| White Metal  | scalar | *Visual     | NONE      | NONE    | ---      | ---      |
| Yellow Metal | scalar | *Visual     | NONE      | NONE    | ---      | ---      |

### CONTAMINATION

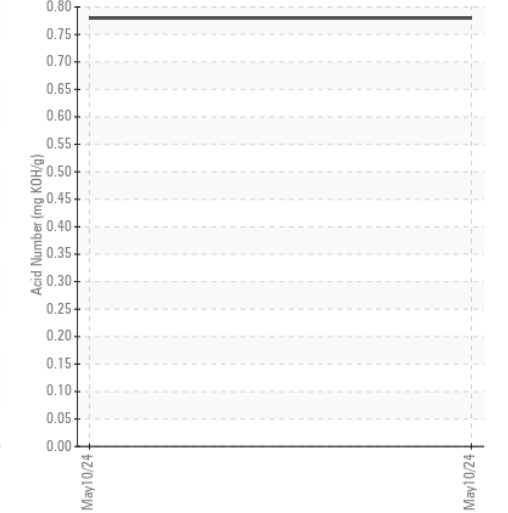
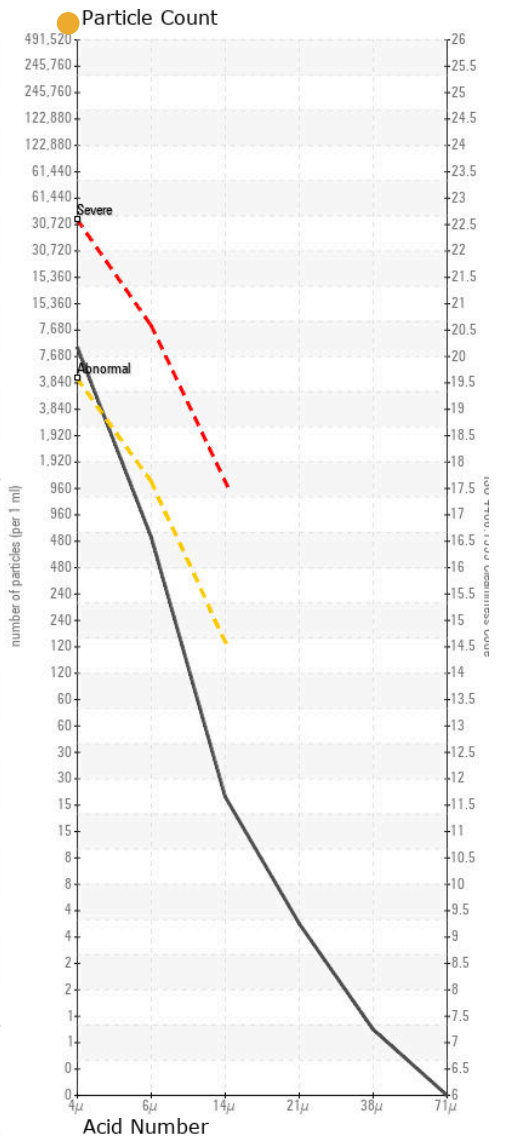
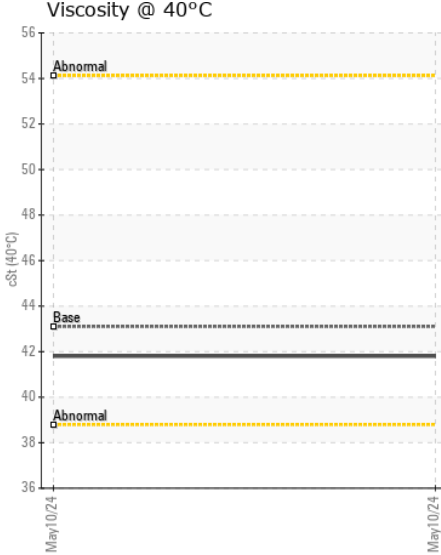
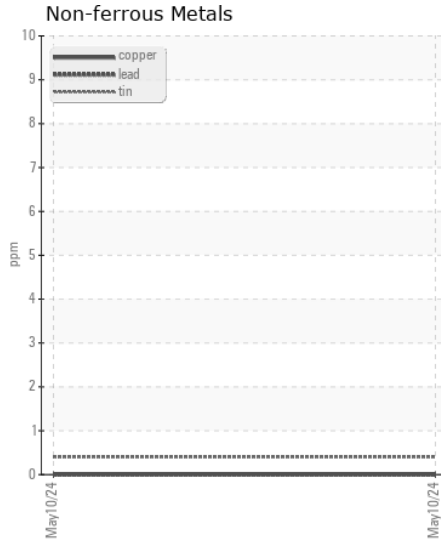
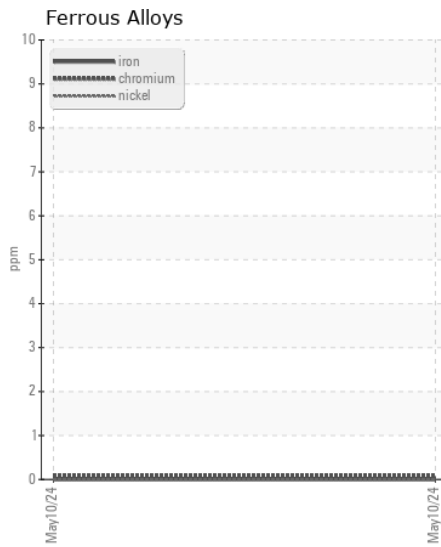
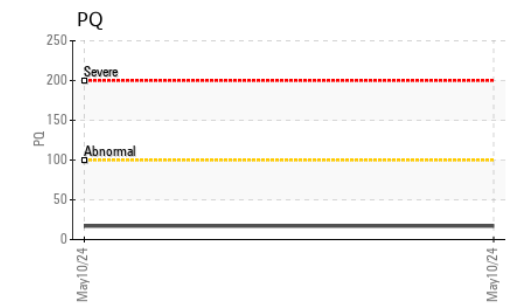
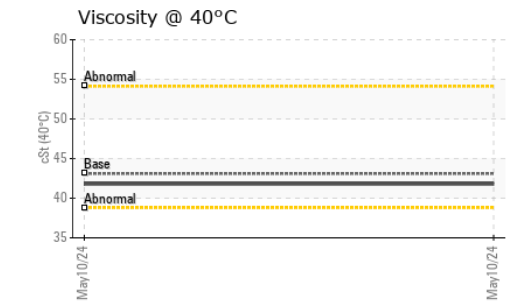
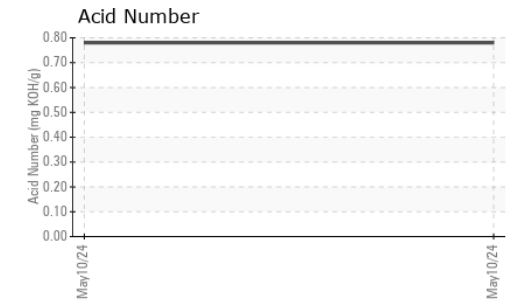
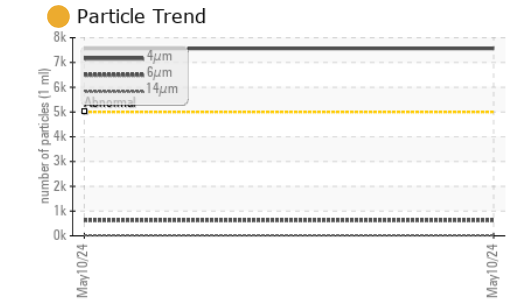
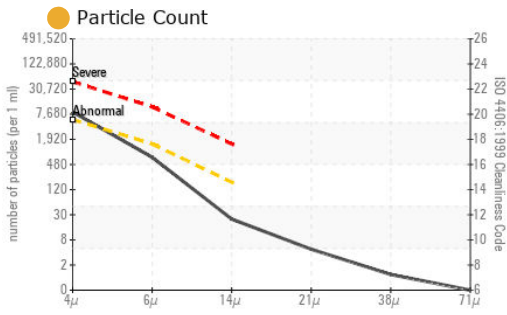
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

|                  |        |              |           |          |     |     |
|------------------|--------|--------------|-----------|----------|-----|-----|
| Silicon          | ppm    | ASTM D5185m  | >20       | 6        | --- | --- |
| Potassium        | ppm    | ASTM D5185m  | >20       | <1       | --- | --- |
| Water            |        | WC Method    | >0.1      | NEG      | --- | --- |
| Particles >4µm   |        | ASTM D7647   | >5000     | 7564     | --- | --- |
| Particles >6µm   |        | ASTM D7647   | >1300     | 628      | --- | --- |
| Particles >14µm  |        | ASTM D7647   | >160      | 21       | --- | --- |
| Particles >21µm  |        | ASTM D7647   | >40       | 4        | --- | --- |
| Particles >38µm  |        | ASTM D7647   | >10       | 1        | --- | --- |
| Particles >71µm  |        | ASTM D7647   | >3        | 0        | --- | --- |
| Oil Cleanliness  |        | ISO 4406 (c) | >19/17/14 | 20/16/12 | --- | --- |
| 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

|                  |          |             |      |      |     |     |
|------------------|----------|-------------|------|------|-----|-----|
| Sodium           | ppm      | ASTM D5185m |      | 2    | --- | --- |
| Boron            | ppm      | ASTM D5185m |      | 0    | --- | --- |
| Barium           | ppm      | ASTM D5185m |      | 2    | --- | --- |
| Molybdenum       | ppm      | ASTM D5185m |      | 0    | --- | --- |
| Manganese        | ppm      | ASTM D5185m |      | 0    | --- | --- |
| Magnesium        | ppm      | ASTM D5185m |      | 4    | --- | --- |
| Calcium          | ppm      | ASTM D5185m |      | 87   | --- | --- |
| Phosphorus       | ppm      | ASTM D5185m |      | 620  | --- | --- |
| Zinc             | ppm      | ASTM D5185m |      | 779  | --- | --- |
| Sulfur           | ppm      | ASTM D5185m |      | 1732 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045  |      | 0.78 | --- | --- |
| Visc @ 40°C      | cSt      | ASTM D445   | 43.1 | 41.8 | --- | --- |



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0195370 **Received** : 14 May 2024  
**Lab Number** : 06178610 **Tested** : 15 May 2024  
**Unique Number** : 11029936 **Diagnosed** : 16 May 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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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)