



**James River
Equipment**

OIL ANALYSIS REPORT

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



Machine Id
JOHN DEERE 245P 000398
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | JR0223121 | JR0204785 | --- |
| Sample Date | | Client Info | | 30 Jun 2024 | 03 Mar 2024 | --- |
| Machine Age | hrs | Client Info | | 974 | 490 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | N/A | N/A | --- |
| Filter Changed | | Client Info | | N/A | N/A | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|------|-----|
| PQ | | ASTM D8184 | >1250 | 84 | 250 | --- |
| Iron | ppm | ASTM D5185m | >750 | 114 | 245 | --- |
| Chromium | ppm | ASTM D5185m | >9 | 2 | 5 | --- |
| Nickel | ppm | ASTM D5185m | >10 | <1 | <1 | --- |
| Titanium | ppm | ASTM D5185m | | 1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | <1 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >40 | 10 | 2 | --- |
| Lead | ppm | ASTM D5185m | >15 | <1 | <1 | --- |
| Copper | ppm | ASTM D5185m | >40 | <1 | 1 | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | --- |
| White Metal | scalar | *Visual | NONE | MODER | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

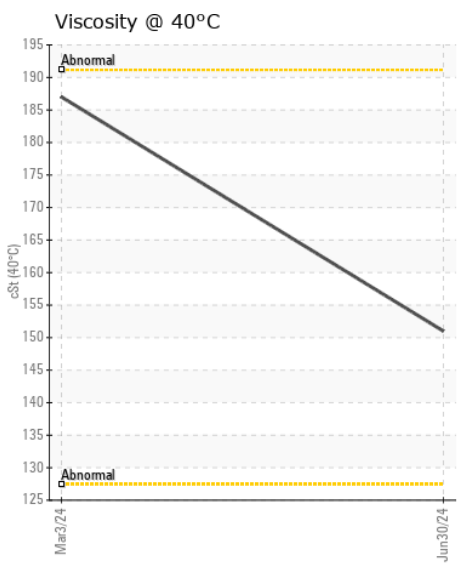
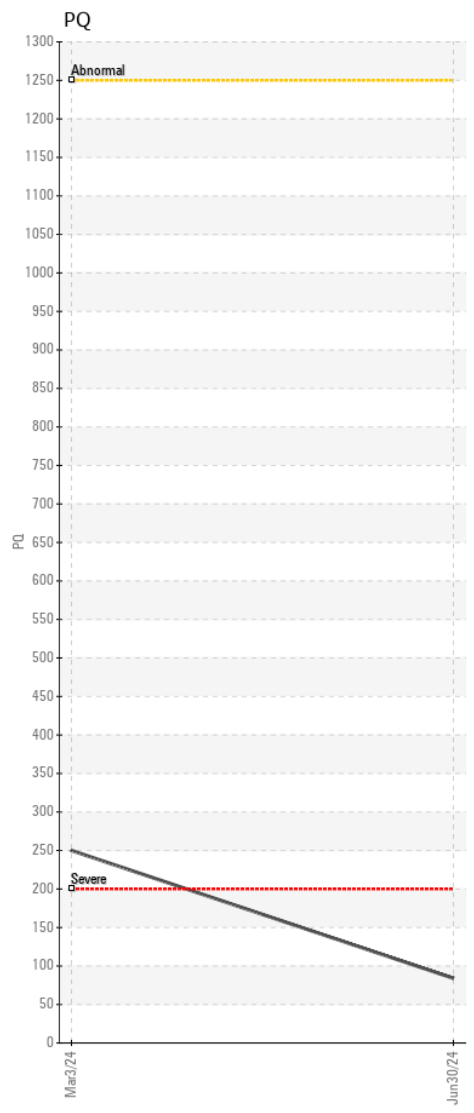
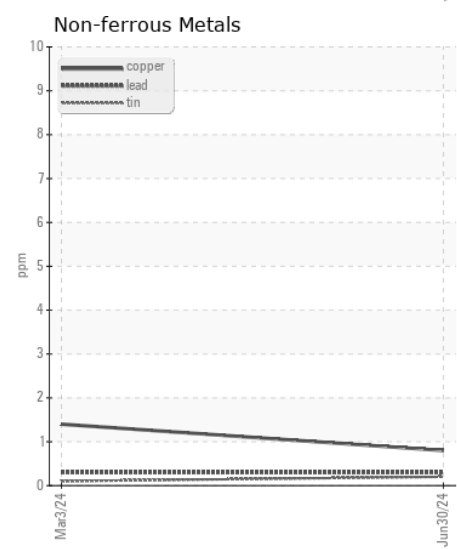
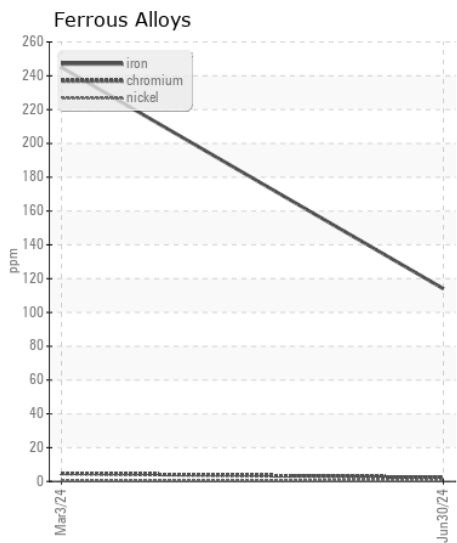
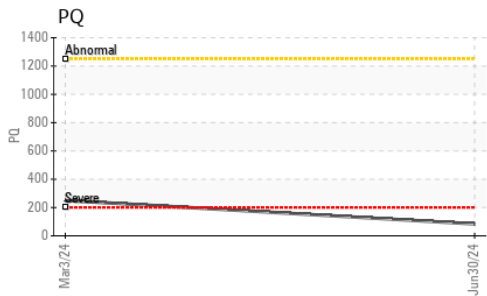
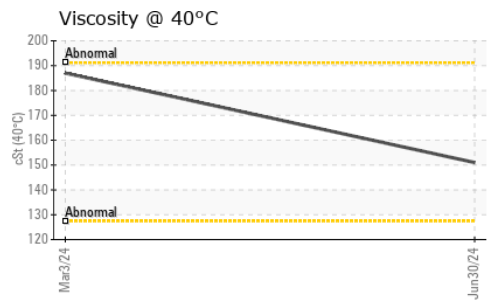
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|--------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >75 | 30 | 23 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 4 | 2 | --- |
| Water | | WC Method | >0.075 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | LIGHT | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.075 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-----|--------------|-------|-----|
| Sodium | ppm | ASTM D5185m | >51 | <1 | <1 | --- |
| Boron | ppm | ASTM D5185m | | 21 | 74 | --- |
| Barium | ppm | ASTM D5185m | | 2 | 5 | --- |
| Molybdenum | ppm | ASTM D5185m | | 2 | <1 | --- |
| Manganese | ppm | ASTM D5185m | | 2 | 6 | --- |
| Magnesium | ppm | ASTM D5185m | | 10 | 3 | --- |
| Calcium | ppm | ASTM D5185m | | 112 | 32 | --- |
| Phosphorus | ppm | ASTM D5185m | | 651 | 508 | --- |
| Zinc | ppm | ASTM D5185m | | 46 | 26 | --- |
| Sulfur | ppm | ASTM D5185m | | 14776 | 17149 | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 151 | 187 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0223121 **Received** : 01 Jul 2024
Lab Number : 06224775 **Tested** : 02 Jul 2024
Unique Number : 11102972 **Diagnosed** : 02 Jul 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)