



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

Area
[16W15474]
 Machine Id
JOHN DEERE 210 P 1FF210PAAPF000840
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. (Customer Sample Comment: 16W15474)

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number | | Client Info | | JR0196417 | --- | --- |
| Sample Date | | Client Info | | 08 Feb 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 581 | --- | --- |
| Oil Age | hrs | Client Info | | 581 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | ABNORMAL | --- | --- |

WEAR

Metal levels are typical for a new component breaking in.

| | | | | | | |
|--------------|--------|-------------|-------|------|-----|-----|
| PQ | | ASTM D8184 | >1250 | 746 | --- | --- |
| Iron | ppm | ASTM D5185m | >750 | 738 | --- | --- |
| Chromium | ppm | ASTM D5185m | >9 | 10 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 4 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >40 | ▲ 26 | --- | --- |
| Lead | ppm | ASTM D5185m | >15 | <1 | --- | --- |
| Copper | ppm | ASTM D5185m | >40 | <1 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

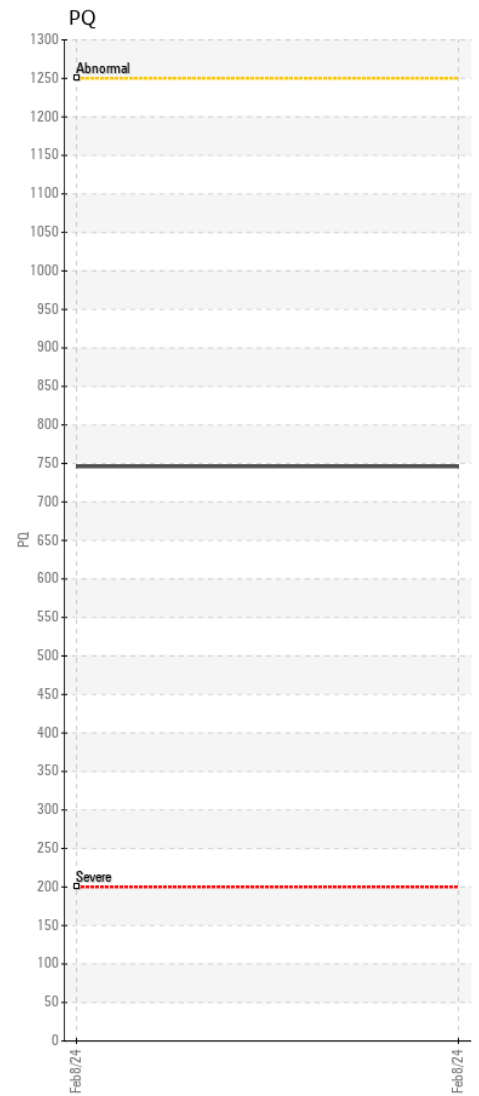
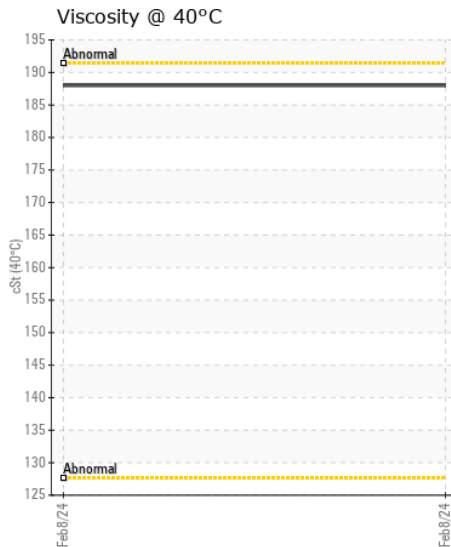
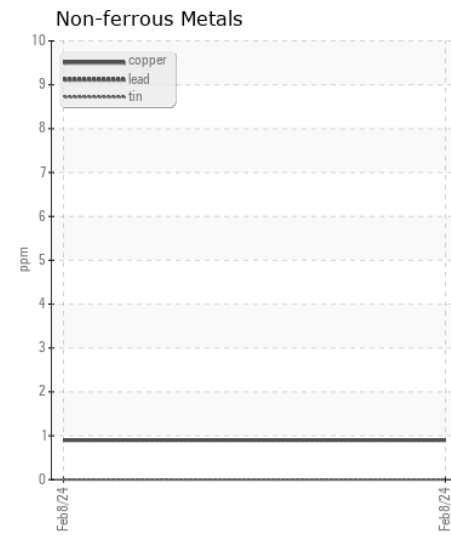
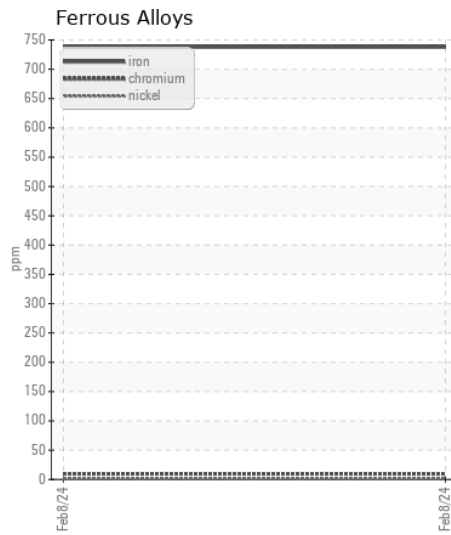
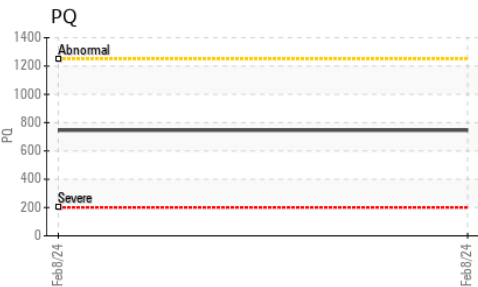
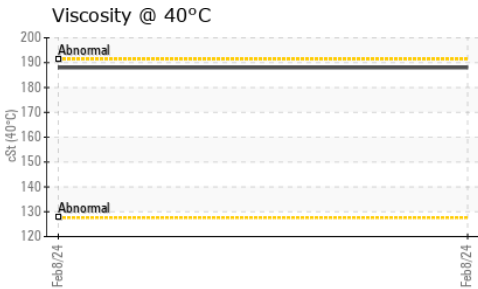
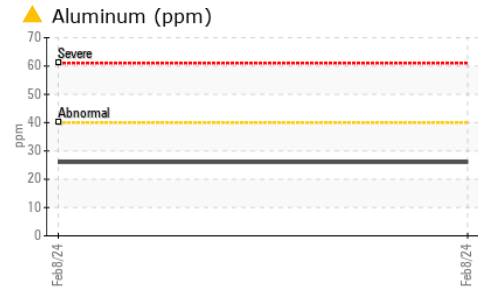
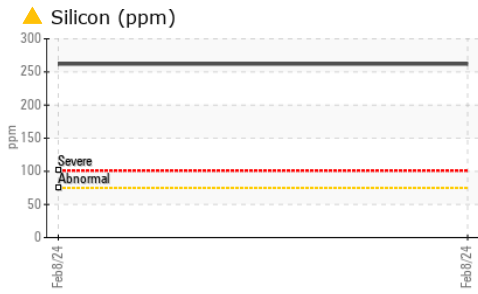
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

| | | | | | | |
|------------------|--------|-------------|--------|-------|-----|-----|
| Silicon | ppm | ASTM D5185m | >75 | ▲ 262 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 4 | --- | --- |
| Water | | WC Method | >0.075 | 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 | >0.075 | NEG | --- | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-----|-------|-----|-----|
| Sodium | ppm | ASTM D5185m | >51 | 1 | --- | --- |
| Boron | ppm | ASTM D5185m | | 69 | --- | --- |
| Barium | ppm | ASTM D5185m | | <1 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 11 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 0 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 22 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 433 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 2 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 13542 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 188 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196417 **Received** : 09 Feb 2024
Lab Number : 06085022 **Tested** : 11 Feb 2024
Unique Number : 10872467 **Diagnosed** : 12 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819

Contact: WILMINGTON SHOP

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F:

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)