



Area  
**[16W16416]**

Machine Id  
**JOHN DEERE 210P 1FF210PAAPF000935**

Component  
**Left 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: 16W16416 )

| Test           | UOM | Method      | Limit/Abn | Current     | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number  |     | Client Info |           | JR0217309   | ---      | ---      |
| Sample Date    |     | Client Info |           | 20 Jun 2024 | ---      | ---      |
| Machine Age    | hrs | Client Info |           | 532         | ---      | ---      |
| Oil Age        | hrs | Client Info |           | 532         | ---      | ---      |
| Filter Age     | hrs | Client Info |           | 0           | ---      | ---      |
| Oil Changed    |     | Client Info |           | Not Changd  | ---      | ---      |
| Filter Changed |     | Client Info |           | N/A         | ---      | ---      |
| Sample Status  |     |             |           | ABNORMAL    | ---      | ---      |

### WEAR

All component wear rates are normal.

|              |        |             |       |      |     |     |
|--------------|--------|-------------|-------|------|-----|-----|
| PQ           |        | ASTM D8184  | >1250 | 233  | --- | --- |
| Iron         | ppm    | ASTM D5185m | >750  | 436  | --- | --- |
| Chromium     | ppm    | ASTM D5185m | >9    | 6    | --- | --- |
| Nickel       | ppm    | ASTM D5185m | >10   | 1    | --- | --- |
| Titanium     | ppm    | ASTM D5185m |       | 2    | --- | --- |
| Silver       | ppm    | ASTM D5185m |       | <1   | --- | --- |
| Aluminum     | ppm    | ASTM D5185m | >40   | 12   | --- | --- |
| Lead         | ppm    | ASTM D5185m | >15   | <1   | --- | --- |
| Copper       | ppm    | ASTM D5185m | >40   | 2    | --- | --- |
| Tin          | ppm    | ASTM D5185m | >10   | 0    | --- | --- |
| Vanadium     | ppm    | ASTM D5185m |       | <1   | --- | --- |
| White Metal  | scalar | *Visual     | NONE  | NONE | --- | --- |
| Yellow Metal | scalar | *Visual     | NONE  | NONE | --- | --- |

### CONTAMINATION

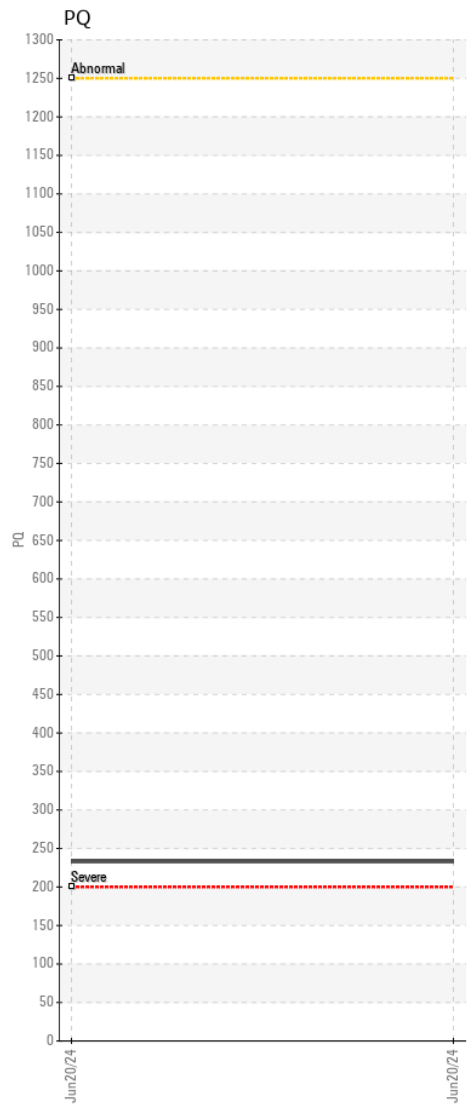
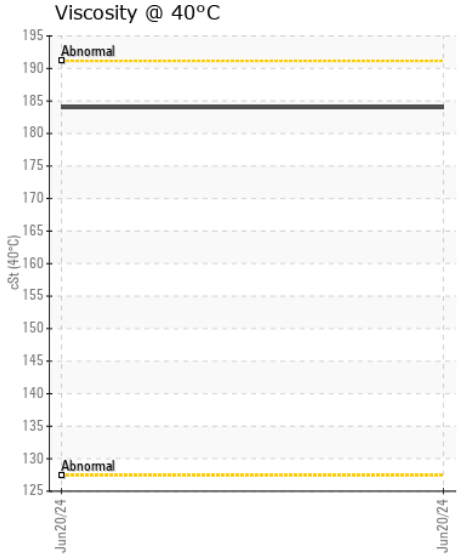
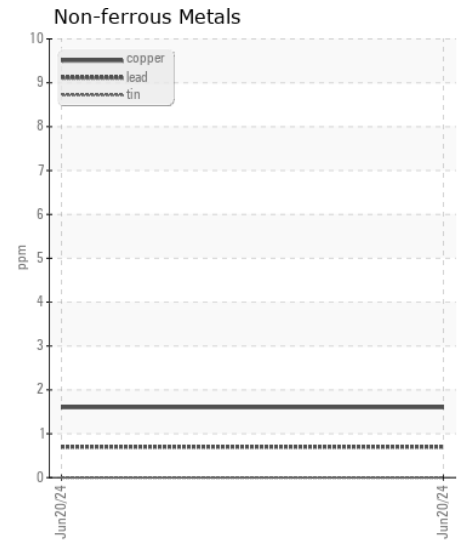
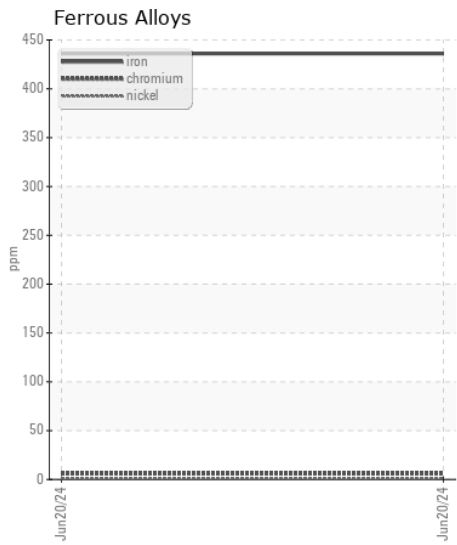
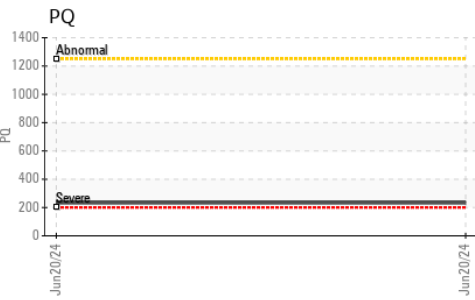
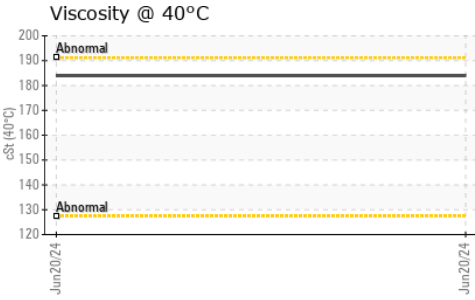
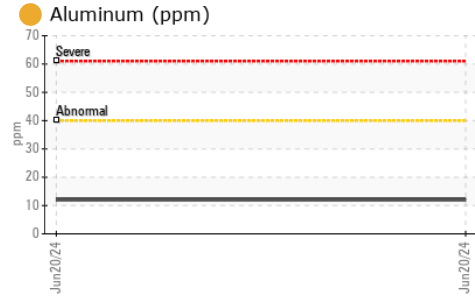
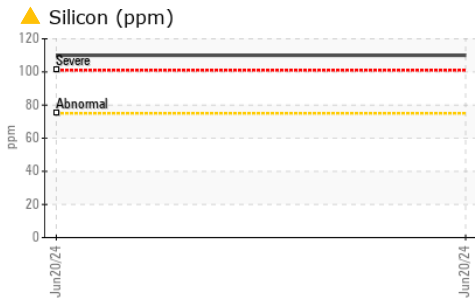
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

|                  |        |             |        |       |     |     |
|------------------|--------|-------------|--------|-------|-----|-----|
| Silicon          | ppm    | ASTM D5185m | >75    | 110   | --- | --- |
| Potassium        | ppm    | ASTM D5185m | >20    | 5     | --- | --- |
| 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 | 0     | --- | --- |
| Boron       | ppm | ASTM D5185m |     | 69    | --- | --- |
| Barium      | ppm | ASTM D5185m |     | 8     | --- | --- |
| Molybdenum  | ppm | ASTM D5185m |     | 5     | --- | --- |
| Manganese   | ppm | ASTM D5185m |     | 8     | --- | --- |
| Magnesium   | ppm | ASTM D5185m |     | 2     | --- | --- |
| Calcium     | ppm | ASTM D5185m |     | 121   | --- | --- |
| Phosphorus  | ppm | ASTM D5185m |     | 462   | --- | --- |
| Zinc        | ppm | ASTM D5185m |     | 60    | --- | --- |
| Sulfur      | ppm | ASTM D5185m |     | 14324 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445   |     | 184   | --- | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0217309 **Received** : 25 Jun 2024  
**Lab Number** : 06219990 **Tested** : 26 Jun 2024  
**Unique Number** : 11098187 **Diagnosed** : 26 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

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)

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

Contact: WILMINGTON SHOP

todd.simmons@jamesriverequipment.com; canastasio@wearcheck.com; canastasio@we

T: (910)675-9211

F: