



OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 325G 1T0325GKCMJ411159**

Component  
**Right Final Drive**

Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

| Test           | UOM | Method      | Limit/Abn | Current     | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number  |     | Client Info |           | JR0167161   | ---      | ---      |
| Sample Date    |     | Client Info |           | 10 Jan 2024 | ---      | ---      |
| Machine Age    | hrs | Client Info |           | 805         | ---      | ---      |
| Oil Age        | hrs | Client Info |           | 0           | ---      | ---      |
| Filter Age     | hrs | Client Info |           | 0           | ---      | ---      |
| Oil Changed    |     | Client Info |           | Not Changd  | ---      | ---      |
| Filter Changed |     | Client Info |           | Not Changd  | ---      | ---      |
| Sample Status  |     |             |           | NORMAL      | ---      | ---      |

**WEAR**

All component wear rates are normal.

|              |        |             |       |      |     |     |
|--------------|--------|-------------|-------|------|-----|-----|
| PQ           |        | ASTM D8184  | >1250 | 13   | --- | --- |
| Iron         | ppm    | ASTM D5185m | >750  | 4    | --- | --- |
| Chromium     | ppm    | ASTM D5185m | >9    | <1   | --- | --- |
| Nickel       | ppm    | ASTM D5185m | >10   | <1   | --- | --- |
| Titanium     | ppm    | ASTM D5185m |       | 0    | --- | --- |
| Silver       | ppm    | ASTM D5185m |       | 0    | --- | --- |
| Aluminum     | ppm    | ASTM D5185m | >40   | 2    | --- | --- |
| Lead         | ppm    | ASTM D5185m | >15   | <1   | --- | --- |
| Copper       | ppm    | ASTM D5185m | >40   | <1   | --- | --- |
| Tin          | ppm    | ASTM D5185m | >10   | <1   | --- | --- |
| Vanadium     | ppm    | ASTM D5185m |       | 0    | --- | --- |
| White Metal  | scalar | *Visual     | NONE  | NONE | --- | --- |
| Yellow Metal | scalar | *Visual     | NONE  | NONE | --- | --- |

**CONTAMINATION**

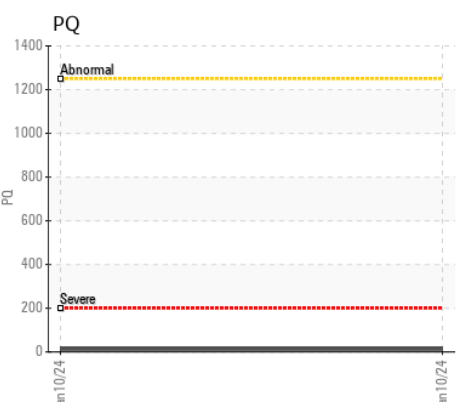
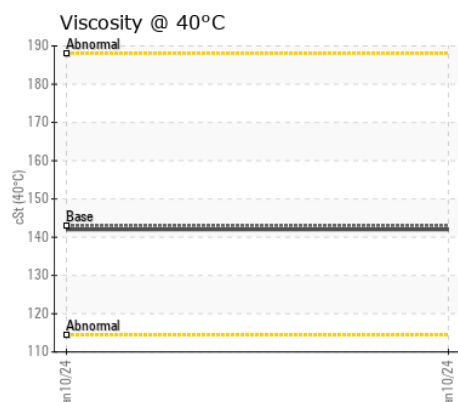
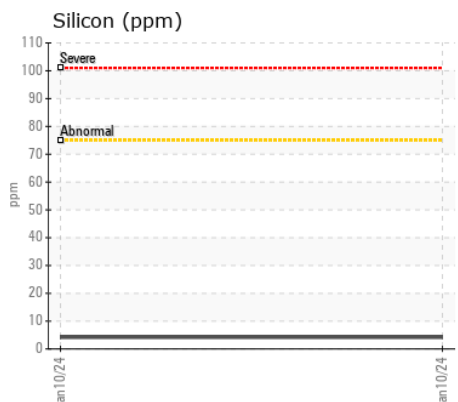
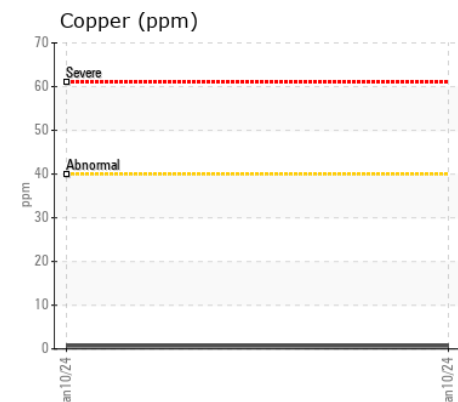
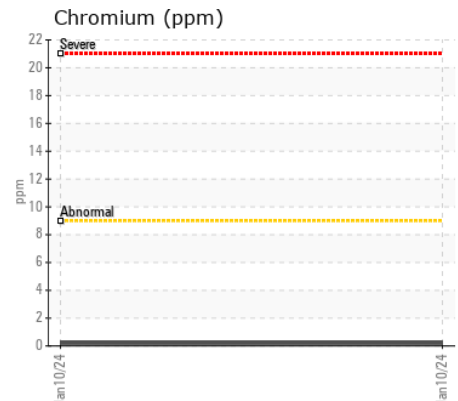
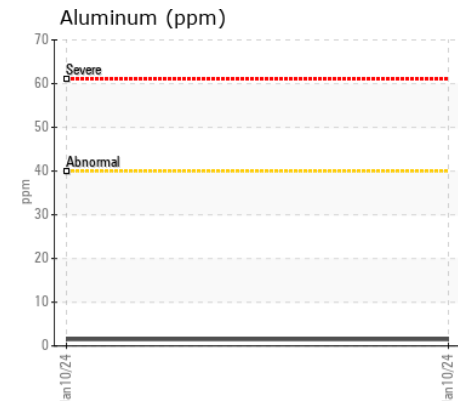
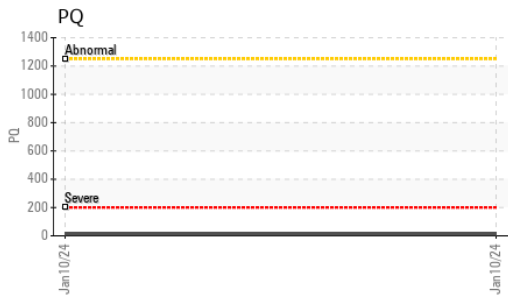
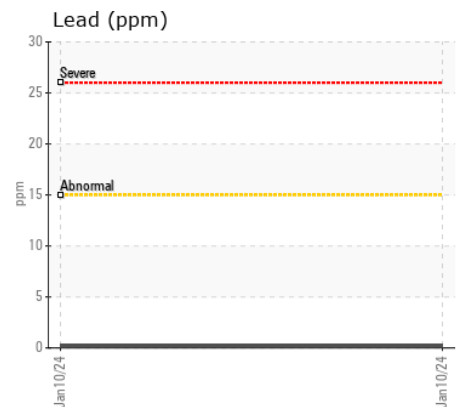
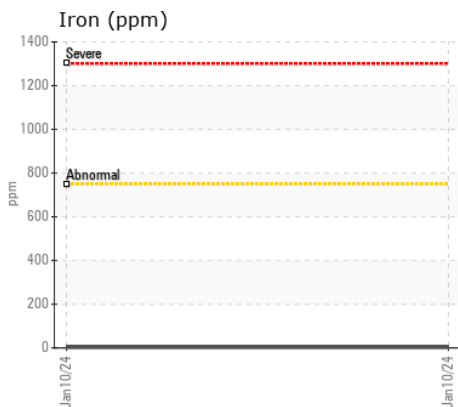
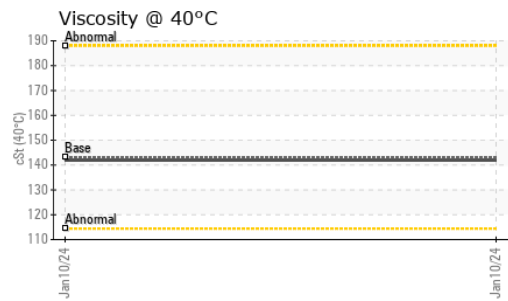
There is no indication of any contamination in the oil.

|                  |        |             |        |       |     |     |
|------------------|--------|-------------|--------|-------|-----|-----|
| Silicon          | ppm    | ASTM D5185m | >75    | 4     | --- | --- |
| Potassium        | ppm    | ASTM D5185m | >20    | 1     | --- | --- |
| 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 | >170  | 0     | --- | --- |
| Boron       | ppm | ASTM D5185m | 400   | 0     | --- | --- |
| Barium      | ppm | ASTM D5185m | 200   | 2     | --- | --- |
| Molybdenum  | ppm | ASTM D5185m | 12    | <1    | --- | --- |
| Manganese   | ppm | ASTM D5185m |       | 0     | --- | --- |
| Magnesium   | ppm | ASTM D5185m | 12    | 1     | --- | --- |
| Calcium     | ppm | ASTM D5185m | 150   | 10    | --- | --- |
| Phosphorus  | ppm | ASTM D5185m | 1650  | 356   | --- | --- |
| Zinc        | ppm | ASTM D5185m | 125   | 0     | --- | --- |
| Sulfur      | ppm | ASTM D5185m | 22500 | 22013 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445   | 143   | 142   | --- | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0167161 **Received** : 11 Jan 2024  
**Lab Number** : 06058893 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 10830275 **Diagnostician** : Wes Davis  
**Test Package** : MOBCE ( Additional Tests: PQ )

**JRE - FISHERSVILLE**  
 98 EXPO ROAD  
 FISHERSVILLE, VA  
 US 22939

Contact: MIKE JENKINS  
 MIKE.JENKINS@JAMESRIVEREQUIPMENT.COM  
 T: (540)292-3494  
 F: (540)337-1495

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)