



|                 |               |
|-----------------|---------------|
| WEAR            | <b>NORMAL</b> |
| CONTAMINATION   | <b>NORMAL</b> |
| FLUID CONDITION | <b>NORMAL</b> |



Area  
**[HERSHELL KELLEY]**  
 Machine Id  
**JOHN DEERE 325G 1T0325GMVMJ390212**  
 Component  
**Left Final Drive**  
 Fluid  
**GEAR OIL SAE 85W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|----------|----------|
| Sample Number  |     | Client Info |           | <b>JR0221382</b>   | ---      | ---      |
| Sample Date    |     | Client Info |           | <b>01 Jul 2024</b> | ---      | ---      |
| Machine Age    | hrs | Client Info |           | <b>444</b>         | ---      | ---      |
| Oil Age        | hrs | Client Info |           | <b>444</b>         | ---      | ---      |
| Filter Age     | hrs | Client Info |           | <b>444</b>         | ---      | ---      |
| Oil Changed    |     | Client Info |           | <b>Not Changed</b> | ---      | ---      |
| Filter Changed |     | Client Info |           | <b>Not Changed</b> | ---      | ---      |
| Sample Status  |     |             |           | <b>NORMAL</b>      | ---      | ---      |

### WEAR

All component wear rates are normal.

|              |        |             |       |              |     |     |
|--------------|--------|-------------|-------|--------------|-----|-----|
| PQ           |        | ASTM D8184  | >1250 | <b>31</b>    | --- | --- |
| Iron         | ppm    | ASTM D5185m | >750  | <b>114</b>   | --- | --- |
| Chromium     | ppm    | ASTM D5185m | >9    | <b>2</b>     | --- | --- |
| Nickel       | ppm    | ASTM D5185m | >10   | <b>&lt;1</b> | --- | --- |
| Titanium     | ppm    | ASTM D5185m |       | <b>&lt;1</b> | --- | --- |
| Silver       | ppm    | ASTM D5185m |       | <b>0</b>     | --- | --- |
| Aluminum     | ppm    | ASTM D5185m | >40   | <b>4</b>     | --- | --- |
| Lead         | ppm    | ASTM D5185m | >15   | <b>0</b>     | --- | --- |
| Copper       | ppm    | ASTM D5185m | >40   | <b>4</b>     | --- | --- |
| Tin          | ppm    | ASTM D5185m | >10   | <b>0</b>     | --- | --- |
| Vanadium     | ppm    | ASTM D5185m |       | <b>&lt;1</b> | --- | --- |
| White Metal  | scalar | *Visual     | NONE  | <b>NONE</b>  | --- | --- |
| Yellow Metal | scalar | *Visual     | NONE  | <b>NONE</b>  | --- | --- |

### CONTAMINATION

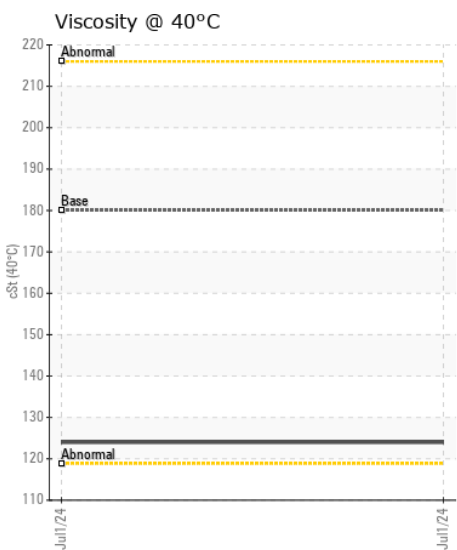
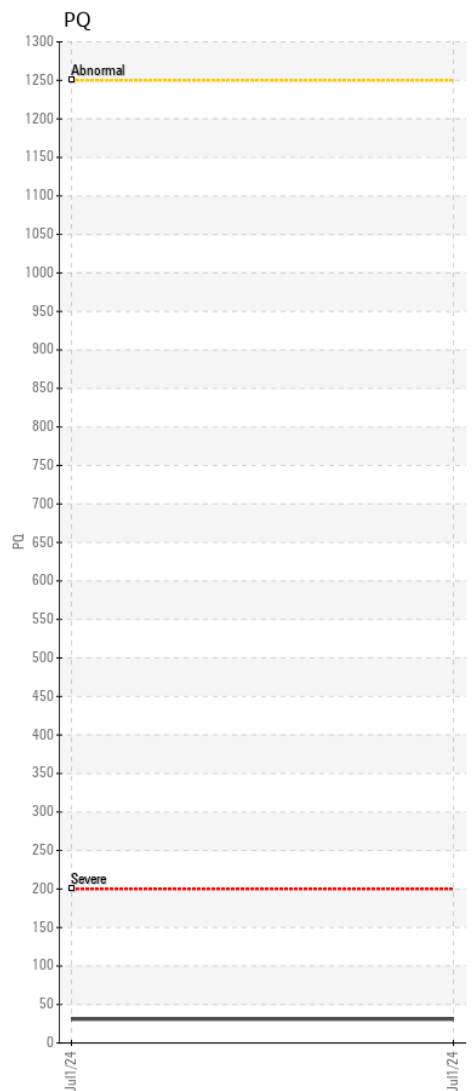
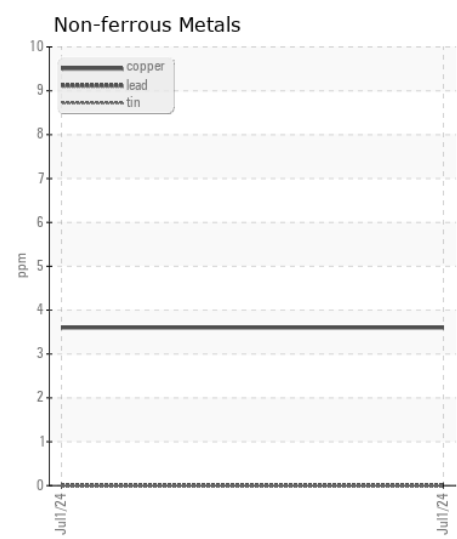
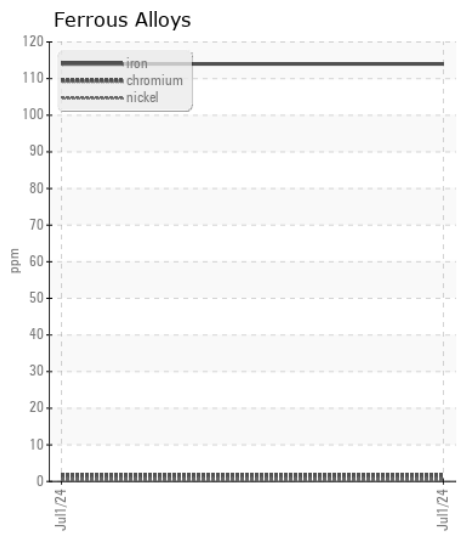
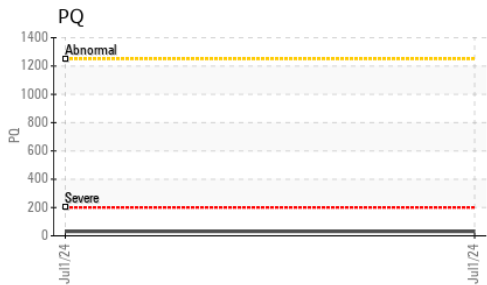
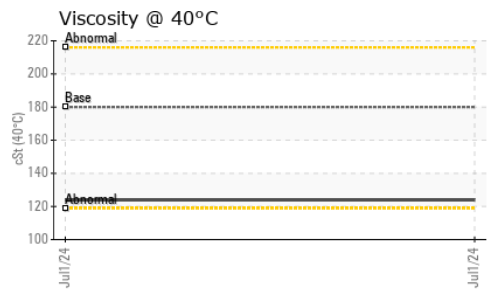
There is no indication of any contamination in the oil.

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

### FLUID CONDITION

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

|             |     |             |       |              |     |     |
|-------------|-----|-------------|-------|--------------|-----|-----|
| Sodium      | ppm | ASTM D5185m | >51   | <b>3</b>     | --- | --- |
| Boron       | ppm | ASTM D5185m | 400   | <b>3</b>     | --- | --- |
| Barium      | ppm | ASTM D5185m | 200   | <b>&lt;1</b> | --- | --- |
| Molybdenum  | ppm | ASTM D5185m | 12    | <b>&lt;1</b> | --- | --- |
| Manganese   | ppm | ASTM D5185m |       | <b>2</b>     | --- | --- |
| Magnesium   | ppm | ASTM D5185m | 12    | <b>&lt;1</b> | --- | --- |
| Calcium     | ppm | ASTM D5185m | 150   | <b>115</b>   | --- | --- |
| Phosphorus  | ppm | ASTM D5185m | 1650  | <b>390</b>   | --- | --- |
| Zinc        | ppm | ASTM D5185m | 125   | <b>114</b>   | --- | --- |
| Sulfur      | ppm | ASTM D5185m | 22500 | <b>20413</b> | --- | --- |
| Visc @ 40°C | cSt | ASTM D445   | 180   | <b>124</b>   | --- | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0221382 **Received** : 05 Jul 2024  
**Lab Number** : 06228888 **Tested** : 08 Jul 2024  
**Unique Number** : 11112381 **Diagnosed** : 08 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - STEPHENSON**  
 245 YARDMASTER COURT  
 STEPHENSON, VA  
 US 22656-1761  
 Contact: PHIL DAUGHERTY  
 pdaugherty@jamesriverequipment.com

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)

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