

# FUEL REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**JOHN DEERE 9420S RW9420E021212**  
Component  
**Diesel Fuel**  
Fluid  
**NOT GIVEN (--- QTS)**

**DIAGNOSIS**

**Recommendation**

This is a baseline read-out on the submitted sample. No corrective action is recommended at this time.

**Corrosion**

All metal levels are normal indicating no corrosion in the system.

**Contaminants**

The water content is negligible. There is no indication of any contamination in the fuel.

**Fuel Condition**

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

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|----------|----------|
| Sample Number      | Client Info |             |            | <b>JR0197471</b>   | ---      | ---      |
| Sample Date        | Client Info |             |            | <b>06 Dec 2023</b> | ---      | ---      |
| Machine Age        | hrs         | Client Info |            | <b>9948</b>        | ---      | ---      |
| Sample Status      |             |             |            | <b>NORMAL</b>      | ---      | ---      |

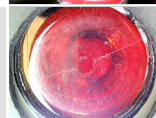
| PHYSICAL PROPERTIES |     | method    | limit/base | current     | history1 | history2 |
|---------------------|-----|-----------|------------|-------------|----------|----------|
| Visc @ 40°C         | cSt | ASTM D445 |            | <b>2.33</b> | ---      | ---      |

| SULFUR CONTENT |     | method      | limit/base | current  | history1 | history2 |
|----------------|-----|-------------|------------|----------|----------|----------|
| Sulfur         | ppm | ASTM D5185m |            | <b>0</b> | ---      | ---      |

| CONTAMINANTS |     | method      | limit/base | current      | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon      | ppm | ASTM D5185m | <1.0       | <b>0</b>     | ---      | ---      |
| Sodium       | ppm | ASTM D5185m | <0.1       | <b>2</b>     | ---      | ---      |
| Potassium    | ppm | ASTM D5185m | <0.1       | <b>0</b>     | ---      | ---      |
| Water        | %   | ASTM D6304  | <0.05      | <b>0.002</b> | ---      | ---      |
| ppm Water    | ppm | ASTM D6304  | <500       | <b>24</b>    | ---      | ---      |

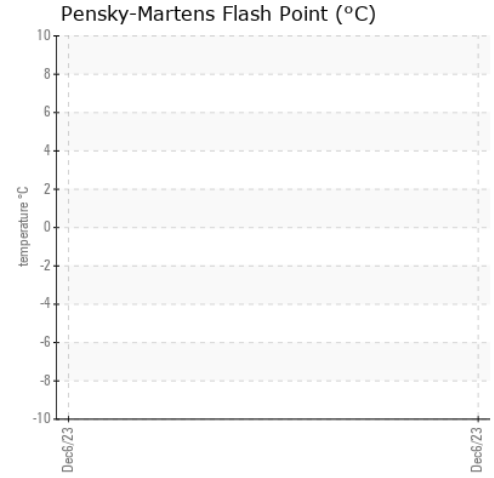
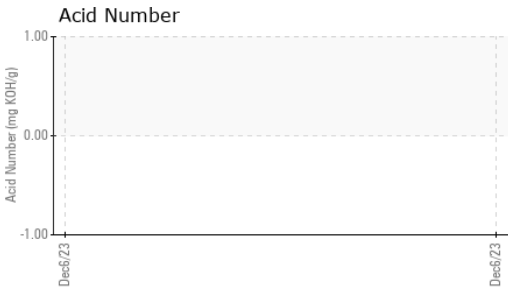
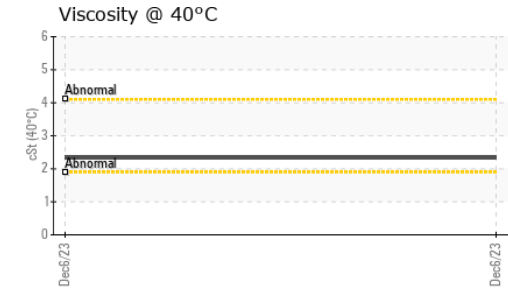
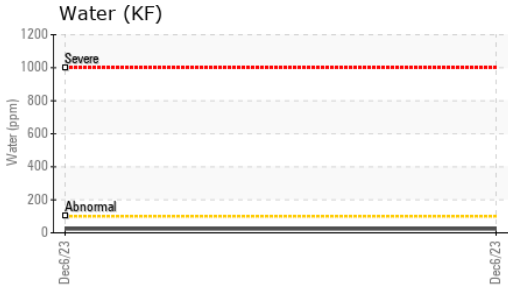
| HEAVY METALS |     | method      | limit/base | current  | history1 | history2 |
|--------------|-----|-------------|------------|----------|----------|----------|
| Aluminum     | ppm | ASTM D5185m | <0.1       | <b>0</b> | ---      | ---      |
| Nickel       | ppm | ASTM D5185m | <0.1       | <b>0</b> | ---      | ---      |
| Lead         | ppm | ASTM D5185m | <0.1       | <b>0</b> | ---      | ---      |
| Vanadium     | ppm | ASTM D5185m | <0.1       | <b>0</b> | ---      | ---      |
| Iron         | ppm | ASTM D5185m | <0.1       | <b>0</b> | ---      | ---      |
| Calcium      | ppm | ASTM D5185m | <0.1       | <b>2</b> | ---      | ---      |
| Magnesium    | ppm | ASTM D5185m | <0.1       | <b>0</b> | ---      | ---      |
| Phosphorus   | ppm | ASTM D5185m | <0.1       | <b>2</b> | ---      | ---      |
| Zinc         | ppm | ASTM D5185m | <0.1       | <b>0</b> | ---      | ---      |

| SAMPLE IMAGES |  | method | limit/base | current | history1 | history2 |
|---------------|--|--------|------------|---------|----------|----------|
|---------------|--|--------|------------|---------|----------|----------|

|        |  |  |  |   |          |          |
|--------|--|--|--|---|----------|----------|
| Color  |  |  |  |  | no image | no image |
| Bottom |  |  |  |  | no image | no image |

# FUEL REPORT

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197471 **Received** : 07 Dec 2023  
**Lab Number** : **06028272** **Diagnosed** : 14 Dec 2023  
**Unique Number** : 10778063 **Diagnostician** : Jonathan Hester  
**Test Package** : CONST ( Additional Tests: KF, PQ, SCREEN )

**BARBOUR BROTHERS CONSTRUCTION**  
 PO BOX 95  
 PIKEVILLE, NC  
 US 27863  
 Contact: JOEL

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)

T: (919)921-1395

F: