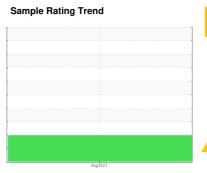


# **FUEL REPORT**

# [W113571] Machine Id JCB 3TS-8T GE03CTEAPP3233358

Component **Diesel Fuel** 

**OFF-ROAD DIESEL FUEL (20 GAL)** 





## **DIAGNOSIS**

#### Recommendation

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur B5 diesel fuel.

#### Corrosion

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

#### Contaminants

There is a high amount of particulates present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

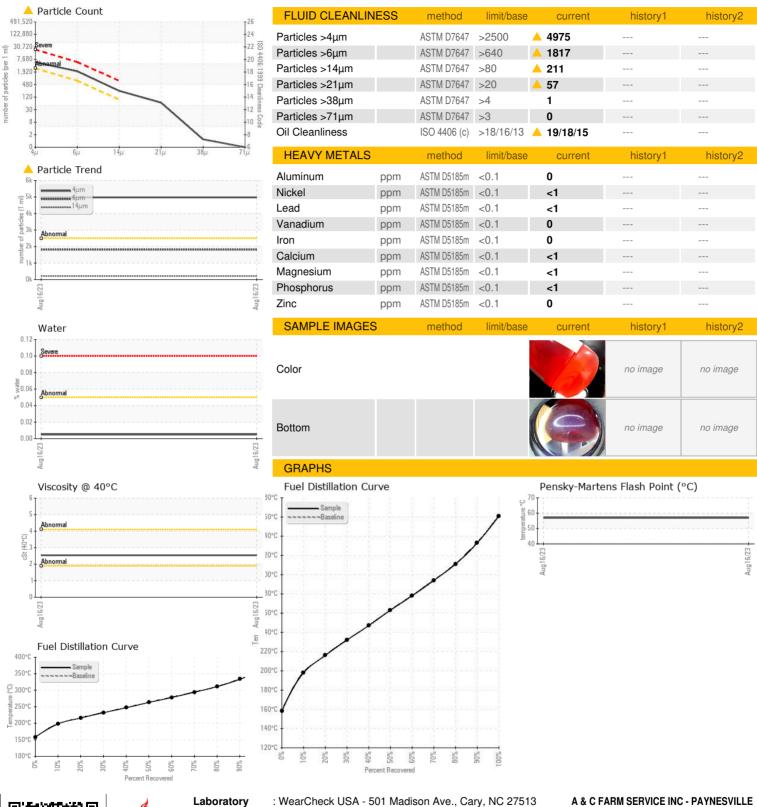
### **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

| JEL (20 GAL)                                |        |                      |            | lug2023     |          |          |
|---------------------------------------------|--------|----------------------|------------|-------------|----------|----------|
| SAMPLE INFORM                               | MATION | method               | limit/base | current     | history1 | history2 |
| Sample Number                               |        | Client Info          |            | JCBDF04572  |          |          |
| Sample Date                                 |        | Client Info          |            | 16 Aug 2023 |          |          |
| Machine Age                                 | hrs    | Client Info          |            | 0           |          |          |
| Sample Status                               |        |                      |            | ATTENTION   |          |          |
| PHYSICAL PROP                               | ERTIES | method               | limit/base | current     | history1 | history2 |
| Specific Gravity                            |        | *ASTM D1298          |            | 0.853       |          |          |
| Fuel Color                                  | text   | *Visual Screen       |            | Red         |          |          |
| ASTM Color                                  | scalar | *ASTM D1500          |            | L5.5        |          |          |
| Visc @ 40°C                                 | cSt    | ASTM D445            |            | 2.54        |          |          |
| Pensky-Martens Flash Point                  | °C     | *PMCC Calculated     |            | 57          |          |          |
| SULFUR CONTER                               | VT     | method               | limit/base | current     | history1 | history2 |
| Sulfur                                      | ppm    | ASTM D5185m          |            | 0           |          |          |
| Sulfur (UVF)                                | ppm    | ASTM D5453           |            | 11          |          |          |
| DISTILLATION                                |        | method               | limit/base | current     | history1 | history2 |
| Initial Boiling Point                       | °C     | ASTM D86             |            | 158         |          |          |
| 5% Distillation Point                       | °C     | ASTM D86             |            | 185         |          |          |
| 10% Distill Point                           | °C     | ASTM D86             |            | 198         |          |          |
| 15% Distillation Point                      | °C     | ASTM D86             |            | 208         |          |          |
| 20% Distill Point                           | °C     | ASTM D86             |            | 216         |          |          |
| 30% Distill Point                           | °C     | ASTM D86             |            | 232         |          |          |
| 40% Distill Point                           | °C     | ASTM D86             |            | 247         |          |          |
| 50% Distill Point                           | °C     | ASTM D86             |            | 263         |          |          |
| 60% Distill Point                           | °C     | ASTM D86             |            | 278         |          |          |
| 70% Distill Point                           | °C     | ASTM D86             |            | 294         |          |          |
| 80% Distill Point                           | °C     | ASTM D86             |            | 311         |          |          |
| 85% Distillation Point                      | °C     | ASTM D86             |            | 321         |          |          |
| 90% Distill Point<br>95% Distillation Point | °C     | ASTM D86             |            | 333         |          |          |
| Final Boiling Point                         | °C     | ASTM D86<br>ASTM D86 |            | 352<br>361  |          |          |
| Distillation Residue                        | %      | ASTM D86             |            | 1.4         |          |          |
| Distillation Loss                           | %      | ASTM D86             |            | 0.8         |          |          |
| IGNITION QUALIT                             | ΓΥ     | method               | limit/base | current     | history1 | history2 |
| API Gravity                                 |        | ASTM D7777           |            | 34.4        |          |          |
| Cetane Index                                |        | ASTM D4737           | <40.0      | 44.0        |          |          |
| CONTAMINANTS                                |        | method               | limit/base | current     | history1 | history2 |
| Silicon                                     | ppm    | ASTM D5185m          | <1.0       | 0           |          |          |
| Sodium                                      | ppm    | ASTM D5185m          | < 0.1      | 0           |          |          |
| Potassium                                   | ppm    | ASTM D5185m          | <0.1       | <1          |          |          |
| Water                                       | %      | ASTM D6304           | < 0.05     | 0.005       |          |          |
| ppm Water                                   | ppm    | ASTM D6304           | <500       | 52.0        |          |          |
| % Gasoline                                  | %      | *In-House            | < 0.50     | 0.0         |          |          |
| % Biodiesel                                 | %      | *In-House            | <20.0      | 0.0         |          |          |



## **FUEL REPORT**





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: 05930103

: JCBDF04572 : 10615374

Received : 21 Aug 2023 Diagnosed : 25 Aug 2023

Diagnostician : Doug Bogart Test Package : DF-2 (Additional Tests: Screen)

Contact: JOE RONDEAU

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US 56362

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)