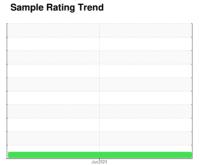


# **FUEL REPORT**

# **CITY OF ROCK HILL [17798]** [CITY OF ROCK HILL] FIRE DEPT 2

**Diesel Fuel** 

No.2 DIESEL FUEL (ULTRALOW SULPHUF





# DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. All laboratory tests indicate that this sample meets specifications for No.2 low-sulfur diesel fuel.

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

## Contaminants

Light concentration of visible dirt/debris present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The amount and size of particulates present in the system are acceptable.

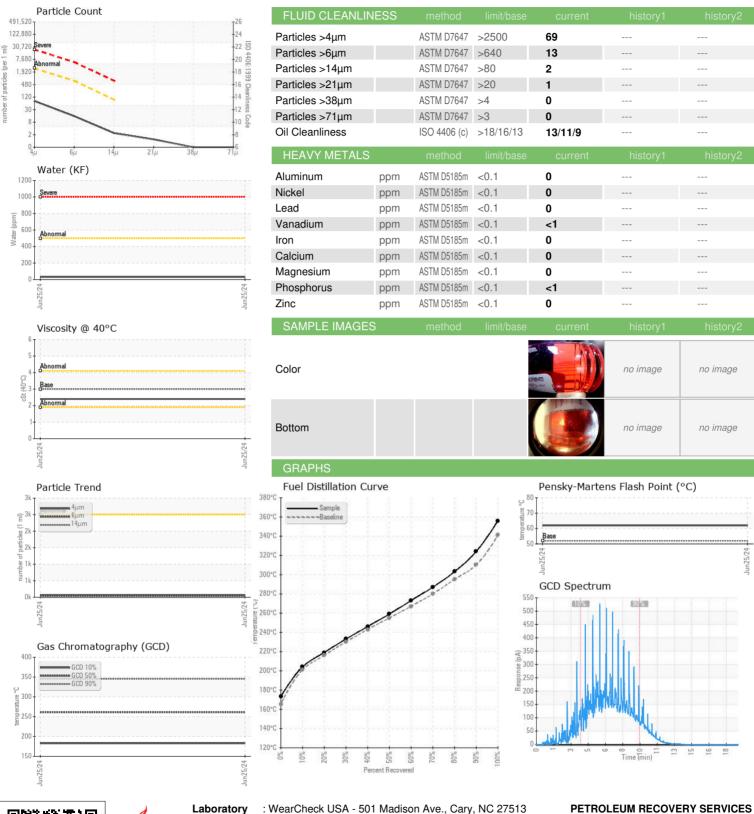
### **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation.

| l) (575 GAL)               |          |                  | Jun2024    |             |          |          |
|----------------------------|----------|------------------|------------|-------------|----------|----------|
| SAMPLE INFORM              | MATION   | method           | limit/base | current     | history1 | history2 |
|                            | 17111011 |                  | mmbasc     |             |          | motoryz  |
| Sample Number              |          | Client Info      |            | WC0957759   |          |          |
| Sample Date                | In       | Client Info      |            | 25 Jun 2024 |          |          |
| Machine Age                | hrs      | Client Info      |            | 0           |          |          |
| Sample Status              |          |                  |            | NORMAL      |          |          |
| PHYSICAL PROP              | ERTIES   | method           | limit/base | current     | history1 | history2 |
| Fuel Color                 | text     | *Visual Screen   | Yllow      | Red         |          |          |
| ASTM Color                 | scalar   | *ASTM D1500      |            | L4.0        |          |          |
| Visc @ 40°C                | cSt      | ASTM D445        | 3.0        | 2.4         |          |          |
| Pensky-Martens Flash Point | °C       | *PMCC Calculated | 52         | 62          |          |          |
| SULFUR CONTE               | NΤ       | method           | limit/base | current     | history1 | history2 |
| Sulfur                     | ppm      | ASTM D5185m      | 10         | 43          |          |          |
| Sulfur (UVF)               | ppm      | ASTM D5453       |            | 48          |          |          |
| DISTILLATION               |          | method           | limit/base | current     | history1 | history2 |
| Initial Boiling Point      | °C       | ASTM D86         | 165        | 173         |          |          |
| 5% Distillation Point      | °C       | ASTM D86         |            | 195         |          |          |
| 10% Distill Point          | °C       | ASTM D86         | 201        | 204         |          |          |
| 15% Distillation Point     | °C       | ASTM D86         |            | 212         |          |          |
| 20% Distill Point          | °C       | ASTM D86         | 216        | 219         |          |          |
| 30% Distill Point          | °C       | ASTM D86         | 230        | 233         |          |          |
| 40% Distill Point          | °C       | ASTM D86         | 243        | 246         |          |          |
| 50% Distill Point          | °C       | ASTM D86         | 255        | 259         |          |          |
| 60% Distill Point          | °C       | ASTM D86         | 267        | 273         |          |          |
| 70% Distill Point          | °C       | ASTM D86         | 280        | 287         |          |          |
| 80% Distill Point          | °C       | ASTM D86         | 295        | 303         |          |          |
| 85% Distillation Point     | °C       | ASTM D86         |            | 313         |          |          |
| 90% Distill Point          | °C       | ASTM D86         | 310        | 324         |          |          |
| 95% Distillation Point     | °C       | ASTM D86         | 0.0        | 342         |          |          |
| Final Boiling Point        | °C       | ASTM D86         | 341        | 356         |          |          |
| IGNITION QUALI             | ΓΥ       | method           | limit/base | current     | history1 | history2 |
| API Gravity                |          | ASTM D7777       | 37.7       | 37          |          |          |
| Cetane Index               |          | ASTM D4737       | <40.0      | 48          |          |          |
| CONTAMINANTS               |          | method           | limit/base | current     | history1 | history2 |
| Silicon                    | ppm      | ASTM D5185m      | <1.0       | <1          |          |          |
| Sodium                     | ppm      | ASTM D5185m      | <0.1       | 1           |          |          |
| Potassium                  | ppm      | ASTM D5185m      | <0.1       | <1          |          |          |
| Water                      | %        | ASTM D6304       | < 0.05     | 0.003       |          |          |
| ppm Water                  | ppm      | ASTM D6304       | <500       | 31          |          |          |
| % Gasoline                 | %        | *In-House        | < 0.50     | 0.0         |          |          |
| % Biodiesel                | %        | *In-House        | <20.0      | 0.0         |          |          |
| -                          |          |                  |            |             |          |          |



# **FUEL REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number Unique Number : 11098476

: WC0957759 : 06220279

Received **Tested** Diagnosed Test Package : DF-2 (Additional Tests: Fuel, Screen)

: 01 Jul 2024

: 25 Jun 2024

: 01 Jul 2024 - Elizabeth Valachovic

SUMMERVILLE, SC US 29483 Contact: AJAY EL Ajay@prsfuel.com T: (843)225-1777

210 POWELL DR

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)