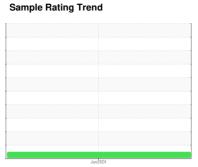


### **FUEL REPORT**

# **CITY OF ROCK HILL [18604]** [CITY OF ROCK HILL] MANCHESTER INTER 2

**Diesel Fuel** 

No.2 DIESEL FUEL (ULTRALOW SULPHUR





## DIAGNOSIS

#### Recommendation All laboratory tests indicate that this sample meets

# specifications for No.2 ultra-low-sulfur diesel fuel.

#### Corrosion

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

### Contaminants

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel. The amount and size of particulates present in the system are acceptable.

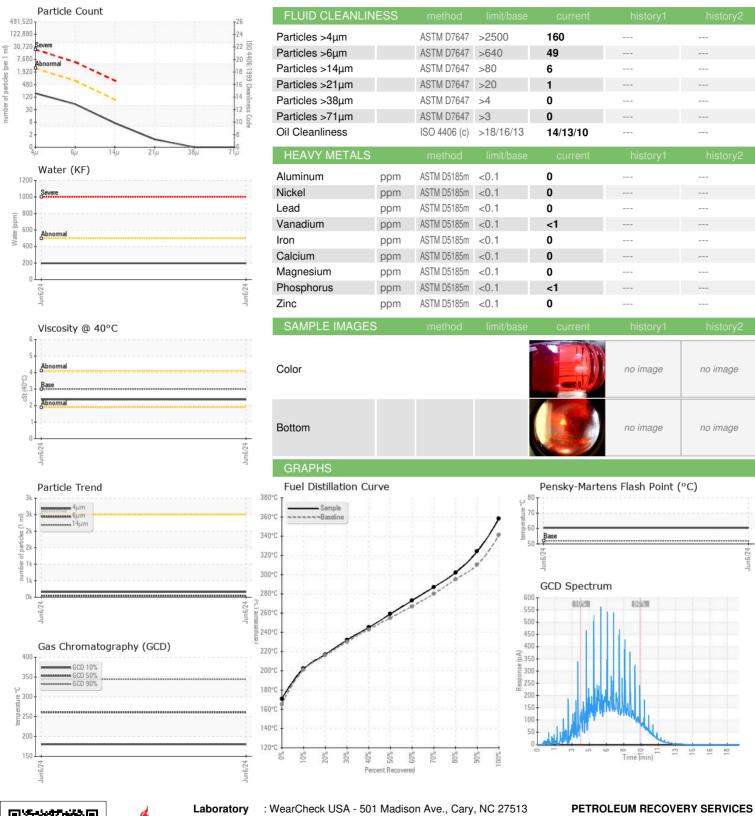
### **Fuel Condition**

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

| R) (660 GAL)               |        |                  |            | Jun2024     |          |          |
|----------------------------|--------|------------------|------------|-------------|----------|----------|
| -, (                       |        |                  |            |             |          |          |
| SAMPLE INFORM              | MOITA  | method           | limit/base | current     | history1 | history2 |
| Sample Number              |        | Client Info      |            | WC06220272  |          |          |
| Sample Date                |        | Client Info      |            | 06 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        | 2.37        |          |          |
| Pensky-Martens Flash Point | °C     | *PMCC Calculated | 52         | 60.4        |          |          |
| SULFUR CONTE               | VT     | method           | limit/base | current     | history1 | history2 |
| Sulfur                     | ppm    | ASTM D5185m      | 10         | 0           |          |          |
| Sulfur (UVF)               | ppm    | ASTM D5453       |            | 8           |          |          |
| DISTILLATION               |        | method           | limit/base | current     | history1 | history2 |
| Initial Boiling Point      | °C     | ASTM D86         | 165        | 171         |          |          |
| 5% Distillation Point      | °C     | ASTM D86         |            | 193         |          |          |
| 10% Distill Point          | °C     | ASTM D86         | 201        | 202         |          |          |
| 15% Distillation Point     | °C     | ASTM D86         |            | 210         |          |          |
| 20% Distill Point          | °C     | ASTM D86         | 216        | 217         |          |          |
| 30% Distill Point          | °C     | ASTM D86         | 230        | 232         |          |          |
| 40% Distill Point          | °C     | ASTM D86         | 243        | 245         |          |          |
| 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        | 302         |          |          |
| 85% Distillation Point     | °C     | ASTM D86         |            | 313         |          |          |
| 90% Distill Point          | °C     | ASTM D86         | 310        | 324         |          |          |
| 95% Distillation Point     | °C     | ASTM D86         |            | 343         |          |          |
| Final Boiling Point        | °C     | ASTM D86         | 341        | 358         |          |          |
| IGNITION QUALIT            | ΓΥ     | method           | limit/base | current     | history1 | history2 |
| API Gravity                |        | ASTM D7777       | 37.7       | 37          |          |          |
| Cetane Index               |        | ASTM D4737       | <40.0      | 49          |          |          |
| 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     | 0.019       |          |          |
| ppm Water                  | ppm    | ASTM D6304       | <500       | 197         |          |          |
| % Gasoline                 | %      | *In-House        | < 0.50     | 0.0         |          |          |
| % Biodiesel                | %      | *In-House        | <20.0      | 0.0         |          |          |



### **FUEL REPORT**







Sample No. Lab Number

: WC06220272 : 06220272

Unique Number : 11098469 Diagnosed Test Package : DF-2 (Additional Tests: Fuel, Screen)

Certificate 12367 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)

Received

**Tested** 

: 25 Jun 2024

: 28 Jun 2024

: 28 Jun 2024 - Elizabeth Valachovic

210 POWELL DR SUMMERVILLE, SC

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

Contact/Location: AJAY EL - PETSUM