

**Petroleumfix (Pty) Ltd - Distribution**  
**421 Rustic Road**  
**Silvertondale**  
**Pretoria 0184**  
**South Africa**  
**(012) 880 1896**



**Customer Reference:** Fuelfix  
**Date Tested:** 2022-11-01  
**Sample Type:** Diesel 50  
**Sample Name:** LAB001621  
**Tested By:** Luhan Radyn

**Sample Picture:**



| PARAMETER DESCRIPTION                   | TEST METHOD | SPECIFICATION: SANS 342:2016                                 | VALUE         | RESULTS |
|-----------------------------------------|-------------|--------------------------------------------------------------|---------------|---------|
| Density @ 40.0 °C (kg.m <sup>-3</sup> ) | ASTM D7777  |                                                              | 885.7         | Report  |
| Density @ 20.0 °C (kg.m <sup>-3</sup> ) | ASTM D7777  | Minimum of 800 kg.m <sup>-3</sup>                            | 898.4         | PASS    |
| Flashpoint (°C)                         | ASTM D7024  | Minimum of 55 °C                                             | 66.5          | PASS    |
| Biodiesel Content                       | ASTM D7806  | Maximum of 5 %                                               | 0.0           | PASS    |
| Cetane Number                           | ASTM D613   | Minimum of 45                                                | 49.5          | PASS    |
| T90 (°C)                                | ASTM D86    | Maximum of 362 °C                                            | <280.0        | PASS    |
| Cold Filter Plugging Point (°C)         | ASTM D6371  | Maximum of 3 °C in Summer and<br>Maximum of -4 °C in Winter  | <-50.0        | PASS    |
| Viscosity @ 40.0 °C                     | ASTM D445   | Between 2.0 and 5.3                                          | 2.2           | PASS    |
| Haze Rating                             | ASTM D4176  | Maximum of 2                                                 | 1             | PASS    |
| Appearance                              | ASTM D4176  | Bright and Clear, No Free Water, and<br>No Foreign Particles | Clear         | PASS    |
| Sulphur Content (ppm)                   | ASTM D5453  | Maximum of 50 ppm                                            | 8             | PASS    |
| Water Content (ppm)                     | ASTM D6304  | Maximum of 350 ppm                                           | Not Requested |         |
| Authentix IP Test Kit                   | LFD TEST    | Negative                                                     | Not Requested |         |