

TEST REPORT



Enquiries: Fortunate Valoyi
Tel: (012) 428 7094
Date: 2008-12-29
Report No: **2112/N4145/PT**
Page: 1 of 2

Fuel Energizer cc
Attention: Mr Helgard Hancke
P O Box 2155
VALHALLA
0137

TESTING TO SANS 342

1. SAMPLE DESCRIPTION

1 x 5L Automotive diesel fuel with fuel energizer
The sample was received in a condition suitable for testing

2. SAMPLE SUBMITTED

Sample received date: 2008/10/21
Test starting date: 2008/10/26
Test completion date 2008/10/27

3. TEST REQUESTED

Automotive diesel fuel SANS 342:2006 Edition 4

4. CONCLUSION

The sample complies with the requirements of specification SANS342 in respect of tests carried out.

TESTING TO SANS 342**1. RESULTS**

Property specification	Results	Requirements of SANS 342
Flash point (IP 34), °C	55.0	55 min
** Cetane number (ASTM D613)	52.3	45 min
** Lubricity, corrected wear scar diameter (wsd 1.4) at 60°C	341	460 max
Sulphur content (XRF), % m/m	0.04	0.05 max
Copper strip corrosion 3h at 100 °C (IP 154) classification	1	1 max
Cold filter plugging point (IP 308) °C	-6	Winter, - 4 max Summer, 3 max
Carbon residue on 10% v/v distillation residue (IP 14) % m/m	0.08	0.2 max
Ash content (IP4), % m/m	<0.01	0.01 max
Water content (ASTMD) 4377, % m/m	0.01	0.05 max
Viscosity at 40°C (IP71), mm ² /s	2.968	2.2 to 5.3
Density at 20) °C (IP 365) kg/l min	0.8368	0.8000
Distillation(ASTM D85) temperature, °C for 90%(v/v) recovery	351.3	362 max
Total contamination, mg/kg max	16.26	24

** Subcontracted to another laboratory

6. CONCLUSION

The sample complies with the requirements of specifications SANS 342 in respect of tests carried out.


F Valoyi
Test Officer: Petroleum


C van Wyk
Test Officer: Petroleum

This report relates only to the specific sample(s) tested as identified herein. It does not imply SABS approval of the quality and/or performance of the items in question and test results do not apply to any similar item that has not been tested. (Refer also to the complete conditions printed on the back of page 1.)