

TEST REPORT

SABS

Enquiries: M Gqadu
Tel: (012) 428 7094
Acceptance date: 2012-01-19
Date: 2012-02-13
Report: **2112/U4012_{T1}/13/PT**
Page: 1 of 2

Centron Energy SA
Attention: Mr Richard Miller
P.O Box 16329
LYTTLETON
0140

TESTING TO SANS 342:2006

1 SAMPLE DESCRIPTION

1 x 5L Diesel sample diluted with 16ml of diesel fuel enhancer.

The sample was received in a condition suitable for testing.

2 SAMPLE SUBMITTED

Sample received date: 2013/01/15
Test starting date: 2013/01/24
Test completion date: 2013/01/31

3 TEST REQUESTED

Automotive diesel fuel: SANS 342: 2006 Edition 4

4 CONCLUSION

The sample complies with the requirements of specification SANS 342:2006 in respect of the tests conducted.

TEST REPORT



TESTING TO SANS 342:2012
2112/U4012_{T1}/13/PT

5 TEST RESULTS

Property	Results	Requirements of specification SANS 342
Flash point (ASTM D93), °C	79,0	55 min.
Cetane number (ASTM D613)	60.6	45 min.
HFRR, Lubricity corrected wear scar diameter (wsd 1,4) at 60 °C (ISO 12156)	237	460 max.
Sulphur content (XRF), mg/kg	413	500 max.
Copper strip corrosion, 3h at 100 °C (IP 154), classification	1	1 max.
Cold filter plugging point (IP 309), classification	-5	3 max.
Carbon residue on 10% (^v / _v) distillation residue (D524), % (^m / _m)	0,10	0,2 max.
Ash content (D482), % (^m / _m)	0,005	0,01 max.
Water content (ASTMD 4377), % (^m / _m)	<0,01	0, 05 max.
Viscosity at 40 °C (IP 71), mm ² /s	3,331	2,2 to 5,3
Density at 20 °C (IP 365), kg/l	0,8358	0,8000 min.
Distillation (ASTM D86) temperature, °C for 90% (^v / _v) recovery	358,0	362 max.
Total contamination, mg/kg (IP 440)	0,1	24 max.
Oxidation Stability, mg/100 mL (D2274)	0,001	2,0 max.

6 CONCLUSION

The sample complies with the requirements of specification SANS 342:2006 in respect of the tests conducted.

S Mtshemla
Senior Test Officer: Industrial &
Petrochemicals Laboratory
B. Tech Chemistry

J Motaung
Manager: Industrial &
Petrochemicals Laboratory

1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria, 0001. Tel +27 12 428 7911. Fax +27 12 344 1568

The test work relating to this report was performed by SABS Commercial SOC Ltd. This report and its test results relate only to the specific sample(s) identified herein. They do not imply SABS approval of the quality and/or performance of the item(s) in question and the test results do not apply to any similar item that has not been tested. This report may not be reproduced except in full. The authenticity of this report and its contents can be confirmed by contacting the person who signed it.