DIN 51605:2016-01 (E)

Fuels for vegetable oil compatible combustion engines - Fuel from rapeseed oil - Requirements and test methods

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 6

4 Product designation and marking 7

5 Requirements and testing 7
5.1 General requirements 7
5.2 Requirements for added additives 9
5.3 Requirements for testing and compliance with the limit values in cases of dispute 9
5.4 Particularities of the requirements for winter capability 9
5.5 Particularities of the requirements for ignition quality 9
5.6 Additional requirements 10
5.6.1 Verification of the fuel's origin from rapeseed oil 10
5.6.2 of ash-forming or sediment-forming elements 10
5.6.3 Distillation analysis 10
5.6.4 Information on density/temperature conversion 10

6 Product treatment and sampling 10

Annex A (normative) Adaptation of the test method according to DIN EN 15195:2007-08 for the purposes of rapeseed oil fuel 11

Annex B (informative) Verification of the oil identity 12

B.1 General information 12
B.2 Methods of testing the fatty acid distribution 12
B.3 Sterol analysis 12

Annex C (informative) Further information on properties and test methods 14

C.1 General 14
C.2 Information on the viscosity for the temperature range from -10 °C to 100 °C 14

Bibliography 15