DIN ISO 6618:2015-07 (E)

Petroleum products and lubricants - Determination of acid or base number - Colour-indicator titration method (ISO 6618:1997)

Contents

Page

National foreword 3

National Annex NA (informative) Bibliography.´ 4

National Annex NB (informative) Guidance on using Annex B - Determination of pHr-range _ of p-naphtholbenzein indicator 5

NB.1 General 5

NB.2 Reagents aqnd materials (ISO 6619:1988, Clause 4 applies analogously) 5

NB.3 Apparatus (ISO 6619:1988, Clause 5 applies analogously) 7

NB.4 Preparation of electrode system 8

1 Scope 9

2 Normative references 9

3 Definitions 10

4 Principle 10

5 Reagents and materials 10

6 Apparatus 12

7 Preparation of used oil sample 12

8 Determination of acid number 12

9 Determinationofbasenumber 13

10 Determination of strong acid number 13

11 Calculation 13

12 Expression of results 14

13 Precision 14

14 Testreport 15

Annex A (normative) Specification for p-naphtholbenzein 16

A.1 Appearance 16
A.2 Chloride content 16
A.3 Solubility 16
A.4 Minimumabsorbance 16
A.5 pH range 16

Annex B (normative) Determination of pHr range of p-naphtholbenzein indicator 17

B.1 Scope 17
B.2 Definition 17
B.3 Principle 17
B.4 Reagents and materials 17
B.5 Apparatus 18
B.6 Preparation of electrode system 18
B.7 Standardization of apparatus 18
B.8 Procedure 19
B.9 Expression of results 19