

ICS 75.160.20

English Version

**Petroleum products and other liquids - Applicability of test
methods on sulfur determination in petrol and diesel fuel**

Produits pétroliers et autres liquides - Évaluation de
méthodes d'essai de détermination de la teneur en soufre
dans l'essence et le gazole

Mineralölerzeugnisse und andere Flüssigkeiten -
Anwendbarkeit von Prüfverfahren für die
Schwefelbestimmung in Ottokraftstoffen und
Dieselkraftstoffen

This Technical Report was approved by CEN on 14 May 2005. It has been drawn up by the Technical Committee CEN/TC 19.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword	3
Introduction	4
1 Scope	5
2 Test methods	5
3 Samples	5
4 Laboratories	5
5 Evaluation of round robin results	6
6 Statistical analysis	6
7 Comparison between methods and accuracy	7
8 Applicability to FAME blends	7
9 Conclusions	7
10 Recommendations for updating EN 228 and EN 590	7
11 Test method publication	8
Acknowledgements	9
Bibliography	10

Foreword

This Technical Report (CEN/TR 15139:2005) has been prepared by Technical Committee CEN/TC 19 “Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin”, the secretariat of which is held by NEN.

Introduction

During its 8th meeting held in London on 25 - 26 October 2000, CEN/TC 19/WG 27 "Elemental analysis of petroleum and related products" decided to carry out a second round robin, after the first performed in 1998 - 1999, to define the precision of new test methods in the range 1 mg/kg to 60 mg/kg sulfur. The range of sulfur content was selected to obtain definite and robust precision statements for future sulfur limits. The round robin was carried out in 2001.

The work has formed the basis for sulfur test method standards produced by the following organizations:

- ISO/TC 28 "Petroleum products", and
- CEN/TC 19 "Petroleum products, lubricants and related products".