

DIN ISO 8217:2013-12 (E)

Petroleum products - Fuels (class F) - Specifications of marine fuels (ISO 8217:2012)

Contents	Page
National foreword	3
Introduction	5
1 Scope	6
2 Normative references	6
3 Application	7
4 Sampling	7
5 General requirements	8
6 Specification requirements	8
6.1 Requirements for distillate and residual fuels	8
6.2 Requirements for distillate fuels	8
6.3 Requirements for residual fuels	9
7 Test methods	9
7.1 Density	9
7.2 Sulfur content	9
7.3 Flash point	9
7.4 Total sediment by hot filtration	10
7.5 Total sediment -- Aged	10
7.6 Appearance	10
7.7 Vanadium	10
7.8 Sodium	10
7.9 Aluminium plus silicon	10
7.10 Used lubricating oil (ULO)	10
7.11 Hydrogen sulfide	10
8 Precision and interpretation of test results	11
Annex A (informative) Bio-derived products and fatty acid methyl esters	16
Annex B (informative) Deleterious materials	18
Annex C (informative) Sulfur content	19
Annex D (informative) Hydrogen sulfide	20
Annex E (informative) Specific energy	21
Annex F (informative) Ignition characteristics of residual marine fuels	23
Annex G (informative) Flash point	26
Annex H (informative) Acidity	27
Annex I (informative) Sodium and vanadium	28

Annex J (informative) Catalyst fines	30
Annex K (informative) Used lubricating oils	31
Annex L (informative) Precision and interpretation of test results	32
Bibliography	34