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**Prepoznavanje razlitij olj - Nafta in sorodni naftni proizvodi - 2. del: Analizne metode in podajanje rezultatov, izhajajočih iz GC-FID in GC-MS nizke ločljivosti**

Oil spill identification - Petroleum and petroleum related products - Part 2: Analytical method and interpretation of results based on GC-FID and GC-low resolution-MS analyses

Identifizierung von Ölverschmutzungen - Rohöl und Mineralölerzeugnisse - Teil 2: Analytische Methodik und Interpretation der Ergebnisse, basierend auf GC-FID- und GC-MS-Analysen bei niedriger Auflösung

Identification des pollutions pétrolières - Pétrole et produits pétroliers - Partie 2 : Méthode d'analyse et interprétation des résultats sur la base des analyses par CPG DIF et CPG-SM faible résolution

[SIST EN 15522-2:2023/oprA1:2024](https://standards.iteh.ai/SIST-EN-15522-2-2023/oprA1:2024)

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**ICS:**

13.020.40	Onesnaževanje, nadzor nad onesnaževanjem in ohranjanje	Pollution, pollution control and conservation
13.060.99	Drugi standardi v zvezi s kakovostjo vode	Other standards related to water quality
75.080	Naftni proizvodi na splošno	Petroleum products in general

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**EN 15522-2:2023**  
**prA1**

March 2024

ICS 13.020.40; 75.080

English Version

## Oil spill identification - Petroleum and petroleum related products - Part 2: Analytical method and interpretation of results based on GC-FID and GC-low resolution-MS analyses

Identification des pollutions pétrolières - Pétrole et produits pétroliers - Partie 2 : Méthode d'analyse et interprétation des résultats sur la base des analyses par CPG DIF et CPG-SM faible résolution

Identifizierung von Ölverschmutzungen - Rohöl und Mineralölerzeugnisse - Teil 2: Analytische Methodik und Interpretation der Ergebnisse, basierend auf GC-FID- und GC-MS-Analysen bei niedriger Auflösung

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 19.

This draft amendment A1, if approved, will modify the European Standard EN 15522-2:2023. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## **European foreword**

This document (EN 15522-2:2023/prA1:2024) 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.

This document is currently submitted to the CEN Enquiry.

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**EN 15522-2:2023/prA1:2024 (E)****1 Modifications to Clause 1, "Scope"**

*In the 2<sup>nd</sup> paragraph, 2<sup>nd</sup> sentence, replace “, and mixtures of bilge and sludge samples” with “, sludge samples, and mixtures of bilge” to read:*

*“Examples are: crude oils, higher boiling condensates, diesel oils, residual bunker or heavy fuel oils, lubricants, sludge samples, and mixtures of bilge, as well as distillate fuels and blends”.*

*In the 1<sup>st</sup> sentence of the last paragraph, after “matrices”, add “(e.g. contaminated feathers, plants, rocks, sand)” to read:*

*“When analysing “non-oil” matrices (e.g. contaminated feathers, plants, rocks, sand) additional sample preparation (e.g. clean-up) is often required prior to analysis and the extent to which the matrix affects the correlation achieved is to be considered”.*

**2 Modifications to Clause 3, "Terms and definitions"**

*Replace the current title of Clause 3 with: “Terms, definitions and abbreviations”.*

*Replace the current introductory paragraph with the following:*

*“For the purposes of this document, the terms and definitions given in ISO 1998-1:1198 and the following terms, definitions and abbreviations apply.”*

*Under term 3.1.3 contamination, delete the phrases “(e.g. fat from feathers)” and “(e.g. compounds from plastics)” from the definition and add a new Note 1 to entry as follows:*

*“Note 1 to entry: A biogenic compound is for instance fat from feathers, where anthropogenic sources are for instance compounds from plastics.”*

*Re-number the original Note 1 to entry as “Note 2 to entry”.*

*Under term 3.1.4 sample heterogeneity, delete the phrase “caused for example by variable degrees of stirring within a vessel, tank, pipeline or oil slick originally containing oil(product)s with different compositions” from the definition and add it to a new Note 1 to entry as follows:*

*“Note 1 to entry: This can be caused for example by variable degrees of stirring within a vessel, tank, pipeline or oil slick originally containing oil(product)s with different compositions”.*

*Under term 3.1.8 weathering, replace the current definition with the following:*

*“processes that cause changes in oil composition of source and spill samples which can take place after the spillage and processes caused by oil response techniques*

*Note 1 to entry: Natural processes can be evaporation, dissolution, emulsification, photo-oxidation, biodegradation, wax redistribution, whereas oil responses are for example chemical dispersion and burning.”.*

*Under term 3.1.9 bilge, delete the second sentence from the definition and add it to a new Note 1 to entry as follows:*

*“Note 1 to entry: Any liquid entering the bilge system including bilge wells, bilge piping, tank top or bilge holding tanks is considered oily bilge water.”.*

*Under term 3.1.11 sludge, delete the phrase “such as those from the purification of fuel or lubricating oil from main or auxiliary machinery, separated waste oil from oil filtering equipment, waste oil collected in drip trays, and waste hydraulic and lubricating oils” from the definition and add it to a new Note 1 to entry as follows:*

*“Note 1 to entry: Such products are those from the purification of fuel or lubricating oil from main or auxiliary machinery, of separated waste oil from oil filtering equipment, of waste oil collected in drip trays, and of waste hydraulic and lubricating oils.”*

*Delete “[SOURCE: MEPC [48]]” below the definition.*