

DIN EN 15522-1:2023-05 (E)

Oil spill identification - Petroleum and petroleum related products - Part 1: Sampling

Contents		Page
European foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms, definitions and abbreviations	6
3.1	Terms and definitions	6
3.2	Abbreviations	8
4	Principle	8
5	Sampling in general	8
5.1	General	8
5.2	Sampling schedule	9
5.3	Types of sample	9
5.4	Sample volume	10
5.5	Number of samples to be taken	10
6	Precautions against contamination of samples during collection	11
6.1	General	11
6.2	Potential sources of contamination	11
6.3	Controls	11
7	Sampling equipment and sample containers and closures	11
7.1	Introduction	11
7.2	General instructions and strategies	12
7.3	Sample containers, closures and packages	12
7.4	Sample devices	13
7.4.1	General	13
7.4.2	For sampling oil layers and oil sheens from water surfaces	13
7.4.3	For sampling ship's cargo tanks, bunker tanks and bilges, barges, road tankers, shore tanks and pipelines	13
7.4.4	For sampling waterborne oil layers greater than 1 mm thickness	14
7.4.5	For sampling waterborne very viscous oil layers	14
7.4.6	Helicopter sampling devices	15
7.4.7	Less suitable sampling devices	17
8	Sampling procedures	18
8.1	Sampling from water surfaces	18
8.1.1	Sampling oil layers less than 1 mm and sheens	18
8.1.2	Sampling of viscous oil layers greater than 1 mm thickness	19
8.1.3	Helicopter sampling	20
8.2	Sampling beaches, rocky shores, river banks and harbour structures	20
8.3	Sampling tar balls	21
8.4	Samples from oiled animals	21
8.5	Samples from ships, barges or river-craft	21
8.5.1	General	21
8.5.2	Sampling cargo, bunker tanks and slop tanks	22
8.5.3	Sampling from ships, barges or river craft pipelines	23

8.5.4	Samples from ballast tanks, bilges and void spaces	23
8.6	Sampling from land tanks and pipelines	23
8.7	Sampling from road and rail tank wagons	23
9	Sample documentation and logistics	23
9.1	Sample information and documentation	23
9.2	Sealing of samples	24
9.3	Custody of samples	25
9.4	Sample holding time	25
10	Transport and storage of samples	26
Annex A (informative) Recommended contents of sampling kits		27
A.1	Oil-spill sampling	27
A.2	Ships, road and rail tank wagons	27
Annex B (informative) Examples of forms		29
B.1	Sample record form	29
B.2	Sample transport and receipt form	30
Bibliography		31