

ISO 21963:2020 (E)

Ships and marine technology — Marine environment protection — Tanks and piping systems for facilitating 5 ppm oil-water separation

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Technical specifications
4.1	Oil-water separation equipment (OWSE)
4.2	5 ppm OWS
4.3	Oil content meter (OCM)
4.4	Automatic discharge stopping device (ADSD)
4.5	Electric and electronic systems
4.6	Heating facilities
5	Installation requirements
5.1	5 ppm OWS
5.2	Oil content meter (OCM)
5.3	Automatic discharge stopping device (ADSD)
6	Testing of the 5 ppm OWS
Annex A	(informative) Examples of schematic diagrams for the management of oil/water effluents on fixed offshore marine structures
Annex B	(normative) Testing of 5 ppm OWS
B.1	General
B.2	Test rig, equipment and arrangement
B.2.1	General
B.2.2	Test tanks
B.2.3	Flow meters
B.2.4	Pumps
B.2.4.1	Centrifugal pumps
B.2.4.2	Integrated feed pump
B.2.5	Conditioning pipe
B.2.6	OWS sampling arrangement
B.3	Test fluids
B.3.1	General
B.3.2	Test fluid "A"
B.3.3	Test fluid "B"
B.3.4	Test fluid "C"
B.4	Test procedures
B.4.1	General
B.4.2	Test with test fluid "A"
B.4.3	Test with test fluid "B"
B.4.4	Tests with test fluid "C"
B.5	Analysis
B.6	Reporting
Annex C	(normative) Environmental testing for the switchboard of the OWSE

C.1	General
C.2	Test specification
C.2.1	Testing requirements
C.2.2	Test specification details
C.2.2.1	General specification
C.2.2.2	Vibration test
C.2.2.3	Temperature test
C.2.2.4	Humidity test
C.2.2.5	Inclination test for OWS installed on ships

Page count: 20