

ISO/TS 23099:2026-03 (E)

Large yachts - A methodologic framework to assess large yachts (30m+) on their environmental performance and credentials

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Operational profile	5
4.1	General	5
4.2	Speed profile	5
4.3	Shore power availability	6
4.4	Sailing correction	6
4.5	Total operational profile	10
5	Propulsion power	11
6	Hotel power	11
6.1	Determination of hotel power	11
6.2	Hotel power in various conditions	12
6.3	Heat recovery systems	13
6.4	Onboard sustainable power generation	13
7	Matching power demand and supply	13
7.1	General	13
7.2	Shore power use	13
7.3	Diesel direct, hybrid and diesel electric systems	14
7.3.1	Diesel direct or hybrid propulsion	14
7.3.2	Diesel electric propulsion	14
7.3.3	Other propulsion systems	14
7.4	Matching procedure	14
7.5	Batteries	15
7.6	Lack of factory specific emission data	15
7.6.1	General	15
7.6.2	Generic emissions	15
7.6.3	Generic effect of exhaust treatment systems	16
8	Environmental impact	17
8.1	General	17
8.2	Upstream (WtT) impact	17
8.3	Downstream (TtW) impact	17
8.4	Use of alternative fuels	18
8.4.1	General	18
8.4.2	HVO	18
8.4.3	Methanol	18
9	Fleet reference lines	19
Annex A (informative)	Sail power calculation, $P_{s,eff}$	20
Annex B (informative)	Calculation example	23
Bibliography		28