




Clean Shipping Index Certificate of verification

Name of vessel:	VIIKKI	Score:	101	
Owner:	ESLshipping			
IMO number:	IMO9797620			

THIS IS TO CERTIFY that the above-mentioned vessel has been verified by the undersigned according to the Clean Shipping Index, and that, upon completion of the survey the undersigned is of the opinion that the vessel performance is in compliance with the self assessment. The scoring for this vessel meet the requirements of the **CSI 4** classification according to the Clean Shipping Index.

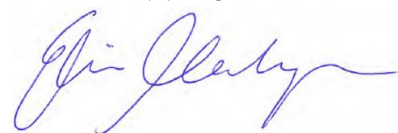
Date of issue:
2025-04-22

Valid until:
2028-04-22

Annual update required:
2026-05-22

Jonas Hoffman
Surveyor
DNV

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Director
Clean Shipping Index



SOx

Scoring description Company assessment highlighted			Verification assessment	Verification comments	Guideline for assessment
		Main engines Operations in non-ECAs			
No data/compliance	0	3	Average SOx content of all fuel used (2024 75ppm)	Office and onboard verification Required documents: Bunker Delivery Notes, BDN summaries, Oil Record Book, International Air Pollution Prevention (IAPP) certificate	
Operation <i>only</i> in ECAs (ECA scoring doubles)	0				
Fuel quality < 0.1% S	3				
"Minimum sulphur fuels" (< 50 ppm S)	5				
Plug-in battery power, fuel cell, wind power or similar	5				
		Main engines Operations in ECAs			
No data/compliance	0	2	Average SOx content of all fuel used (2024)	Office and onboard verification Required documents: Bunker Delivery Notes, BDN summaries, Oil Record Book, International Air Pollution Prevention (IAPP) certificate	
Operation <i>only</i> in non-ECAs (scoring above doubles)	0				
"Minimum sulphur fuels" (< 50 ppm S)	5				
<500ppm S	2				
Plug-in battery power, fuel cell, wind power or similar	5				
		Aux. engines			
No data/compliance	0	2	Average SOx content of all fuel used (2024)	Office and onboard verification Required documents: Bunker Delivery Notes, BDN summaries, Oil Record Book, International Air Pollution Prevention (IAPP) certificate	
Fuel quality < 0.1% S outside SECAs	2				
Shore-side electricity	5				
"Minimum sulphur fuels" (< 50 ppm S)	5				
Plug-in battery power, fuel cell, wind power or similar	5				

PM

Scoring description Company assessment highlighted		Verification assessment	Verification comments	Guideline for assessment
PM Main engines, operation in non-ECAs				
No data/compliance	0	3	Average SOx content of all fuel used (2024 75ppm)	Office and onboard verification Required documents: Bunker Delivery Notes, BDN summaries, Oil Record Book, International Air Pollution Prevention (IAPP) certificate, Measurement report with PM emission factors
Operation <i>only</i> in ECAs (ECA scoring doubles)	0			
Fuel quality < 0.1% S	3			
PM < 0.2 g/kWh	3			
PM < 0.1 g/kWh	5			
Minimum sulphur fuels (< 50 ppm) S	5			
Plug-in battery power, fuel cell, wind power or similar	5			
PM Main engines, operation in ECAs				
No data/compliance	0	1		Office and onboard verification Required documents: Bunker Delivery Notes, BDN summaries, Oil Record Book, International Air Pollution Prevention (IAPP) certificate, Measurement report with PM emission factors
Operation <i>only</i> in non-ECAs (scoring above doubles)	0			
"Minimum sulphur fuels" (< 50 ppm S)	5			
PM < 0.2 g/kWh	3			
PM < 0.1 g/kWh	5			
<500ppm S	1			
Plug-in battery power, fuel cell, wind power or similar	5			
PM aux.engines				
No data/compliance	0	0		Office and onboard verification Required documents: Bunker Delivery Notes, BDN summaries, Oil Record Book, International Air Pollution Prevention (IAPP) certificate, Measurement report with PM emission factors
PM < 0.2 g/kWh	3			
PM < 0.1 g/kWh	5			
Shore-side electricity	5			
"Minimum sulphur fuels" (< 50 ppm S)	5			
Plug-in battery power	5			

NOx

Scoring description Company assessment highlighted		Verification assessment	Verification comments	Guideline for assessment
NOx main engines				
No data/ No score	0	0	ME is Tier II level	Office and onboard verification Required documents: Engine International Air Pollution Prevention (EIAPP) certificate, Other approved NOx measurements or calculations
25% below Tier III level	10			
50% below Tier III level	18			
Plug-in battery power, fuel cell, wind propulsion or similar no- NOx propulsion method	21			
Tier III levels with proven emissions before 2021-01-01	18			
NOx auxiliary engines				
No data/ No score	0	6	AE's are Tier III from date of build	Office and onboard verification Required documents: Engine International Air Pollution Prevention (EIAPP) certificate, Other approved NOx measurements or calculations
25% below Tier III level	4			
50% below Tier III level	7			
Plug-in battery power, shore- side electricity, fuel cell,wind propulsion or similar no-NOx method	9			
Tier III levels with proven emissions before 2021-01-01	6			
No auxiliary engines	4			

CO2

Scoring description Company assessment highlighted		Verification assessment	Verification comments	Guideline for assessment
CO2 emission information				
No data	0	3	2024 MRV data was used as basis for CO2 scoring. Data verified by DNV 2025-03-11.	Office and onboard verification Required documents: Overview of each voyage, split on ballast and laden legs if applicable, with sailed distance, port calls, cargo transported, type and mass of fuel consumed for main engine, auxiliary engines, boilers and other consumption. Data preferably available over one calendar year (or more). Documentation explaining methodology and calculation used for establishing CO2 footprint.
CO2 per TEU-km according to BSR	3			
CO2 per tonne-nm according to MEPC (EEOI)	3			
CO2 emission performance CCWG				
No data	0	0		Office and onboard verification Required documents: Overview of each voyage, split on ballast and laden legs if applicable, with sailed distance, port calls, cargo transported, type and mass of fuel consumed for main engine, auxiliary engines, boilers and other consumption. Data preferably available over one calendar year (or more). Documentation explaining methodology and calculation used for establishing CO2 footprint.
Reference value or above	0			
< Reference value	3			
> 5% below reference	6			
> 10% below reference	9			
> 15% below reference	12			
> 20% below reference	15			
> 25% below reference	18			
> 30% below reference	21			
> 35% below reference	24			
> 40% below reference	27			
CO2 emission performance EEOI				
No data	0	27	2024 data shows emission more than 40% below reference EEOI	Office and onboard verification Required documents: Overview of each voyage, split on ballast and laden legs if applicable, with sailed distance, port calls, cargo transported, type and mass of fuel consumed for main engine, auxiliary engines, boilers and other consumption. Data preferably available over one calendar year (or more). Documentation explaining methodology and calculation used for establishing CO2 footprint.
20% above reference or more	0			
< 20% above reference	3			
< 15% above reference	6			
< 10% above reference	9			
< 5% above reference	12			
Reference value or below	15			
> 5% below reference	18			
> 10% below reference	21			
> 15% below reference	24			
> 20% below reference	27			

Chemicals

Scoring description Company assessment highlighted		Verification assessment	Verification comments	Guideline for assessment
Antifouling				
No data	0	7	MSDS for Jotamastic 90	Onboard verification Required documents: Anti-Fouling System(AFS) certificate, Material Safety Data Sheet (MSDS), Technical Data Sheet (TDS)
Other/ Controlled Depletion Polymer (CDP)	0			
Biocidal antifouling paints	0			
Non-biocidal antifouling paints	7			
Stern Tube Oil				
No data	0	7	Air seal system for sterntube	Onboard verification Required documents: MSDS, TDS
Mineral oil based	0			
Air seal	7			
Based on biodegradable oil	5			
Water lubrication	7			
Not applicable	7			
External hydraulic fluids				
No data	0	3	Capped systems with save all on deck	Onboard verification Required documents: MSDS, TDS
Mineral oil based	0			
Ext. hydraulics exchanged to electrical power	3			
Based on biodegradable oil	3			
Ext. hydraulic system capped	3			
Gear oils for thrusters and controllable pitch (CP) propellers				
No data	0	0	TDS for Castrol Alpha	Onboard verification Required documents: MSDS, TDS
Mineral oil based	0			
Based on biodegradable oil	5			
Not applicable	5			
Boiler/ Cooling water treatment				
No data	0	2	MSDS	Onboard verification Required documents: MSDS, TDS
Classified as CMR, toxic, sensitizing, dangerous to the environment	0			
Not classified as above (nitrite exclusive)	2			
Cleaning agents				
No data	0	3	MSDS	Onboard verification Required documents: MSDS, TDS
Classified as CMR, dangerous to the environment or toxic	0			
Not classified as above	3			
Refrigerants				
No data	0	3	R407C is used onboard.	Onboard verification Required documents: MSDS, TDS,IAPP certificate, Refrigerant Record Book
Non-natural (excluding the HFCs below)	0			
HFCs complying with GWP<3500 and ODI=0	1			
Natural (NH3, CO2) or HFCs complying with GWP<1850 and ODI=0	3			

Water and waste control

Scoring description Company assessment highlighted		Verification assessment	Verification comments	Guideline for assessment
Grey water				
No data	0	3	ref. Sewage management plan.	Onboard verification Required documents: Certificate of Type Approval for Sewage Treatment Plant (if applicable), International Society of Sustainability Professionals (ISSP) certificate (if in place), Proposed Management System (PMS) documentation (if in place) Sewage handling manuals
No treatment	0			
No discharge in sensitive areas (PSSA) or treatment in sewage plant onboard	3			
Sewage / Black water				
No data/ no treatment	0	4	Treatment in sewage plant, ref. sewage management plan.	Onboard verification Required documents: Certificate of Type Approval for Sewage Treatment Plant (if applicable), International Society of Sustainability Professionals (ISSP) certificate (if in place), Proposed Management System (PMS) documentation (if in place) Sewage handling manuals
Sewage treatment plant according to MEPC onboard	4			
Sewage is left on land for treatment	5			
Garbage handling				
No data	0	4	No incinerator installed, landing all garbage ashore verified.	Onboard verification Required documents: Garbage Record Book, Garbage Management Plan
Incinerator used on board	0			
No incinerator on board or documented no incineration of garbage and no waste overboard and separate garbage handling for reuse, recycling and disposal	4			
Sludge handling				
No data	0	4	All sludge is discharged ashore.	Onboard verification Required documents: International Oil Pollution Prevention (IOPP) certificate, Oil Record Book
Incinerator used on board	0			
No incinerator on board or documentation of no incineration of sludge and disposal of sludge to treatment on shore	4			
Bilge water treatment				
No data	0	6	OWS installed and calibrated but not used. Discharge of oily water ashore verified.	Onboard verification Required documents: IOPP certificate, PMS documentation (if in place)
Gravimetric separation	0			
Active treatment installed and < 5ppm oil in outgoing water	4			
Active treatment installed and < 5ppm oil in outgoing water and emission control box in place	6			
Active treatment installed and < 15ppm oil in outgoing water	3			
Discharge to onshore facility	6			
Crew awareness				
No data	0	3		Onboard verification Interview survey
Documented education of personnel on environmental awareness, health risks and adequate protective equipment	3			
Scrubber water				
Release of either open-loop or closed loop scrubber water to the sea	0	5	Ship uses LNG and distillate fuel exclusively.	Onboard verification Required documents: Bunker Delivery Notes, BDN summaries,

Use of residual oil or mixed fuels containing residual oil, such as VLSFO or ULSFO

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Use of distillate oil such as MGO, LNG or alcohols as fuel or plug-in battery power, fuel cell, wind power or similar

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Oil Record Book