Emissions Guide

GHG MRV Reporting / EU ETS Solutions

TRUE NORTH MARINE

MRV Products

GHG MRV Reporting

Our Portal is equipped to handle the new MRV regulation (2023/2449), including accurate reporting of GHG Emissions (CH4 & N20). This service, starting from January 2024, provides comprehensive emission reports along with voyage reports, considering amendments to regulation 2015/757. These reports are meticulously prepared to be submitted to verifiers for efficient verification.

Voyages | Annual | **GHG Emission Report**

Filter:

Search itinerary, voyage ID,

Export

FUEL CONSUMPTION & GHG EMITTED

GHG EMISSIONS

FUEL TYPE	AMOUNT (MT)	CO2 EF (tco2/t-fuel)	CH4 EF (tCH4/t-fuel)	N2O EF (tN2O/t-fuel)	GHG EMISSIONS (m-tonnes)
LFO	272.52	3.151	0.00005	0.00018	872.09
MDO/MGO	123.48	3.206	0.00005	0.00018	401.94

Total Fuel Consumption & GHG Emissions

Parameter	Value (m-tonnes)
Total fuel consumption	396
Total GHG emissions	1,274.03

	GHG Emission	CO2 Emission	CH4 Emission	N2O Emission
Between EU	6.74	6.63	0	0.1
From EU	861.23	848.05	0.38	12.8
To EU	367.6	362.01	0.16	5.43
AT EU	38.47	37.9	0.02	0.55

Distance Travelled, Time spent at sea, & Transport Work

Total Distance Travelled (nm)	4,132.37
Total Distance travlled through ice (nm)	-
Total Time spent at sea (hours)	389.73
Total time spent at sea navigating through ice (hours)	-
Time at anchorage (hours)	586,800
Total Transport work (t -nm)	148,625,363.56
Total Deadweight tonne carried (t-nm)	-

Energy Efficiency

Fuel consumption per distance (kg/nm)	95.829
Fuel consumption per transport work (g/t-nm)	2.664
GHG Emissions per distance (kgCO2 Eqv/nm)	308.305
GHG Emissions per distance (kgCO2/nm)	303.6
GHG Emission per transport work (gCO2 /t-nm)	8.441
GHG Emission per transport work (gCO2 eqv/t-nm)	8.572

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MRV Products

GHG MRV Reporting

Embark on a seamless journey towards regulatory excellence with True GHG MRV Reporting: Embark on a seamless journey towards regulatory excellence with True North Marine, the undisputed leader in the market for Greenhouse Gas (GHG) MRV Reporting.
Our cutting-edge portal is meticulously designed to navigate and comply with the latest MRV regulations (2023/957) effortlessly.

Key Features

Accurate GHG Emission Reporting: True North Marine stands at the forefront of precision with our state-of-the-art portal, ensuring meticulous tracking and reporting of both Methane (CH4) and Nitrous Oxide (N20) emissions.

Comprehensive Reports: Starting January 2024, our service goes beyond the ordinary by delivering comprehensive emission reports. We integrate voyage reports, meticulously considering the amendments to regulation 2015/757, providing you with a holistic understanding of your vessel's environmental impact.

UK MRV

Out portal is equipped to handle UK MRV reporting considering new amendments (MIN 669 [M+F]) and exports report which are as per verifier standards.

Export

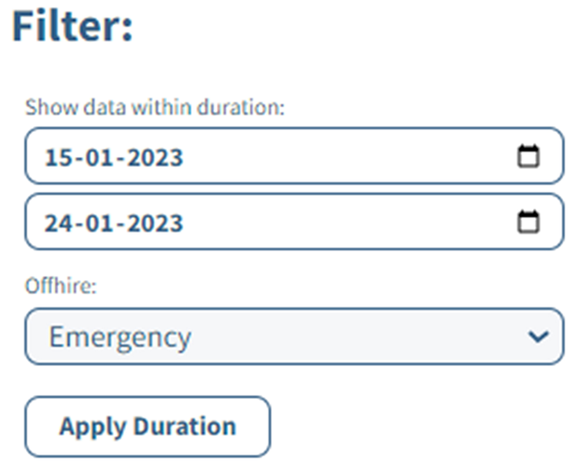
Name		Total Qtty. Consumed (MT)	CO2 emissions (tonnes C02)
Type of Fuel used	VLSFO- 0.5% Sulphur	0	0
	LSMGO - 0.1% Sulphur	0	0

Scenario	CO2 Emissions
Between UK (tonnes C02)	0
From UK (tonnes C02)	0
To UK (tonnes C02)	0
Within UK (tonnes C02)	0
Total time at Sea (hours)	0
Total Distance Travelled (nm)	0
Total Transport Work (MT-nm)	0

EU ETS Products

Off-hire Exclusion Option

Customize your emission data by excluding off-hire periods. This feature ensures that your data reflects operational reality, guaranteeing precision in reporting and full compliance with EU ETS regulations.

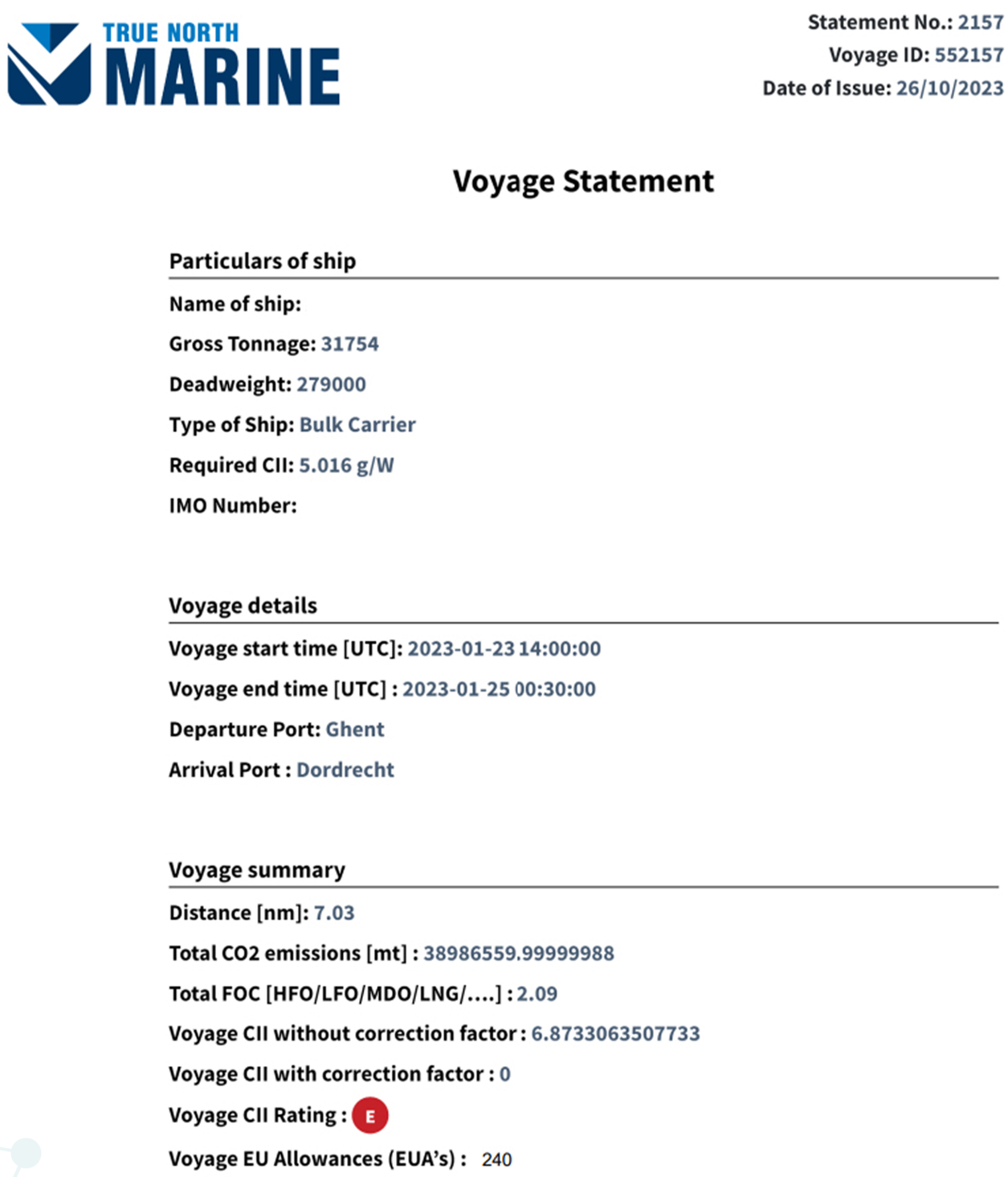


Fleet Emission Reports

Our portal offers tailor-made fleet emission reports, aligned with the specific format required by the EU ETS directive and the amending act of regulation 2015/757. These comprehensive reports provide a clear overview of your fleet's environmental impact, aiding in compliance and strategic environmental management.

ETS Voyage Statements

Receive accurate voyage statements specifically designed for EU ETS compliance. For each EU-eligible voyage, our portal can generate an EU Voyage Statement Report. This report is a crucial element in your EU ETS emission management strategy, seamlessly integrating with the BIMCO clause.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Statement No.: 2157
Voyage ID: 552157
Date of Issue: 26/10/2023

Voyage Statement

Particulars of ship

Name of ship:
Gross Tonnage: 31754
Deadweight: 279000
Type of Ship: Bulk Carrier
Required CII: 5.016 g/W
IMO Number:

Voyage details

Voyage start time [UTC]: 2023-01-23 14:00:00
Voyage end time [UTC] : 2023-01-25 00:30:00
Departure Port: Ghent
Arrival Port : Dordrecht

Voyage summary

Distance [nm]: 7.03
Total CO2 emissions [mt] : 38986559.99999988
Total FOC [HFO/LFO/MDO/LNG/....] : 2.09
Voyage CII without correction factor : 6.8733063507733
Voyage CII with correction factor : 0
Voyage CII Rating : E
Voyage EU Allowances (EUA's) : 240

EU ETS Products

EUA Predictor for Decision Support

Our unique ETS Predictor tool offers detailed analysis of different fuel types based on emission factors. It predicts the potential emissions from each fuel type and estimates the amount of EU Allowances (EUAs) that could be generated based on fuel consumption. This tool is invaluable for making informed decisions regarding fuel choices.

Data Quality Checks

We implement rigorous data validation checks to ensure the system is fed with high-quality data. This not only ensures the integrity of the data but also aids in accurately calculating EUA based on emissions surrendered.

EU MRV | EU ETS | UK MRV | IMO DCS | SCC (coming soon)

Voyages | Annual

Filter: Search itinerary, voyage ID,

Export

		Departure		Arrival								Fuel Consumtion At Sea		Fuel Consumption At Departure Port (EU)		
												Main	Aux	Main	Aux	
#	Category	Port	Date & Time (UTC)	Port	Date & Time (UTC)	Distance Travelled (nm)	Anchorage hours	Drifting hours	Hours at Sea (hours)	Cargo Carried	Transport Work	LFO	MDO/MGO	LFO	MDO/MGO	FOC
#552157	To EU	Iskenderun	Jan 1, 2023, 12:01:00 AM	Ghent	Jan 11, 2023, 9:00:00 AM	997.91 (nm)	163	0	85.98	50,220	50,115,040.2	54.5	59.35	-	-	113.85
#552157	Between EU	Ghent	Jan 23, 2023, 2:00:00 PM	Dordrecht	Jan 25, 2023, 12:30:00 AM	7.03 (nm)	0	0	34.5	0	0	1.22	0.87	-16.38	17.83	2.09

Fuel Consumtion At Sea		Fuel Consumption At Departure Port (EU)								
Main	Aux	Main	Aux							
LFO	MDO/MGO	LFO	MDO/MGO	FOC	EUA 79.5 €	Speed	CO2 Emissions	Continuity	No of voyages	Action
54.5	59.35	-	-	113.85	5,755.89	11.61	362.01	OK	1	PDF
1.22	0.87	-16.38	17.83	2.09	1,239.77	0.2	38.99	OK	1	PDF

Monitoring Plan Generator (ETS+GHG MRV)

Craft meticulous monitoring plans incorporating the latest amendments

(Reg. 2023/957)

Our Monitoring Plan Generator is designed to help you create detailed and up-to-date monitoring plans, incorporating the latest regulatory amendments. This tool ensures that your environmental monitoring strategy remains comprehensive and compliant.

Effortless XML Generation for THETIS Platform

The portal simplifies the process of creating XML files, optimized for easy upload to the THETIS Platform. This feature streamlines your monitoring plan submission process, making it more efficient and less time-consuming.

