



GHG and pollutants emission report

Reference : Eol_0A-C2-62-2019-110-2-X

Carrier : **LOREM**

Year : **2019**

Vessel : **Lorem Alpha - FR-214587 (110)**

Date : 2022-01-20 16:46:00

Number of operations during the year 2019 : **2**

Status : Sample

Trip # 1 (Baltimore - Lisbon)

Date of arrival : 2019-04-21

Effective trip (ECO) - (502)

Maritime segment : **Baltimore - Lisbon**

Data : Real Calculated

Distance : 4900 km | Load : 18500 t

Means of transportation : Ro-ro - Lorem Alpha (110) - FR-214587

Engine	Tier	Fuel	Year	Speed	Pwr	S	Cons	ef	ef	BSFC	EF	EF	EF
Unit				rpm	kW	%	t	NOx	PM		GHG	NOx	PM
PROP 1	3	MDO	2015	SSD	8000	0.05	655.23	-	-	-	3247 (a)	1.3 (b)	0.94
AUX 2	2	MGO	2018	MSD	850	0.03	64.21	1.300	0.030	225.0 (a)	3247 (a)	5.8	0.13

Sources : (a) : IMO / Green Marine (b) : manufacturer (c) : field measurements | BSFC and ef in g/kWh | EF in kg/t

GHG : **CO₂eq** | Emissions = **2 336,02 t** | EEOI = 25.77 g GHG / t.km

Pollutant : **NOx** | Emissions = **1,22 t**

Pollutant : **SOx** | Emissions = **0,694 t**

Trip # 2 (Lisbon - Baltimore)

Date of arrival : 2019-06-10

Effective trip (ECO) - (504)

Maritime segment : **Lisbon - Baltimore**

Data : Real Calculated

Distance : 4900 km | Load : 21453 t

Means of transportation : Ro-ro - Lorem Alpha (110) - FR-214587

Engine	Tier	Fuel	Year	Speed	Pwr	S	Cons	ef	ef	BSFC	EF	EF	EF
Unit				rpm	kW	%	t	NOx	PM		GHG	NOx	PM
PROP 1	3	MDO	2015	SSD	8000	0.05	685.24	-	-	-	3247 (a)	1.3 (b)	0.94
AUX 2	2	MGO	2018	MSD	850	0.03	46.24	1.300	0.030	225.0 (a)	3247 (a)	5.8	0.13

Sources : (a) : IMO / Green Marine (b) : manufacturer (c) : field measurements | BSFC and ef in g/kWh | EF in kg/t

GHG : **CO₂eq** | Emissions = **2 375,12 t** | EEOI = 22.59 g GHG / t.km

Pollutant : **NOx** | Emissions = **1,16 t**

Pollutant : **SOx** | Emissions = **0,713 t**

Global summary

Total emissions ECO

GHG : **CO₂eq** : Emissions = **4 711,14 t**

Pollutant : **NO_x** : Emissions = **2,38 t**

Pollutant : **SO_x** : Emissions = **1,41 t**