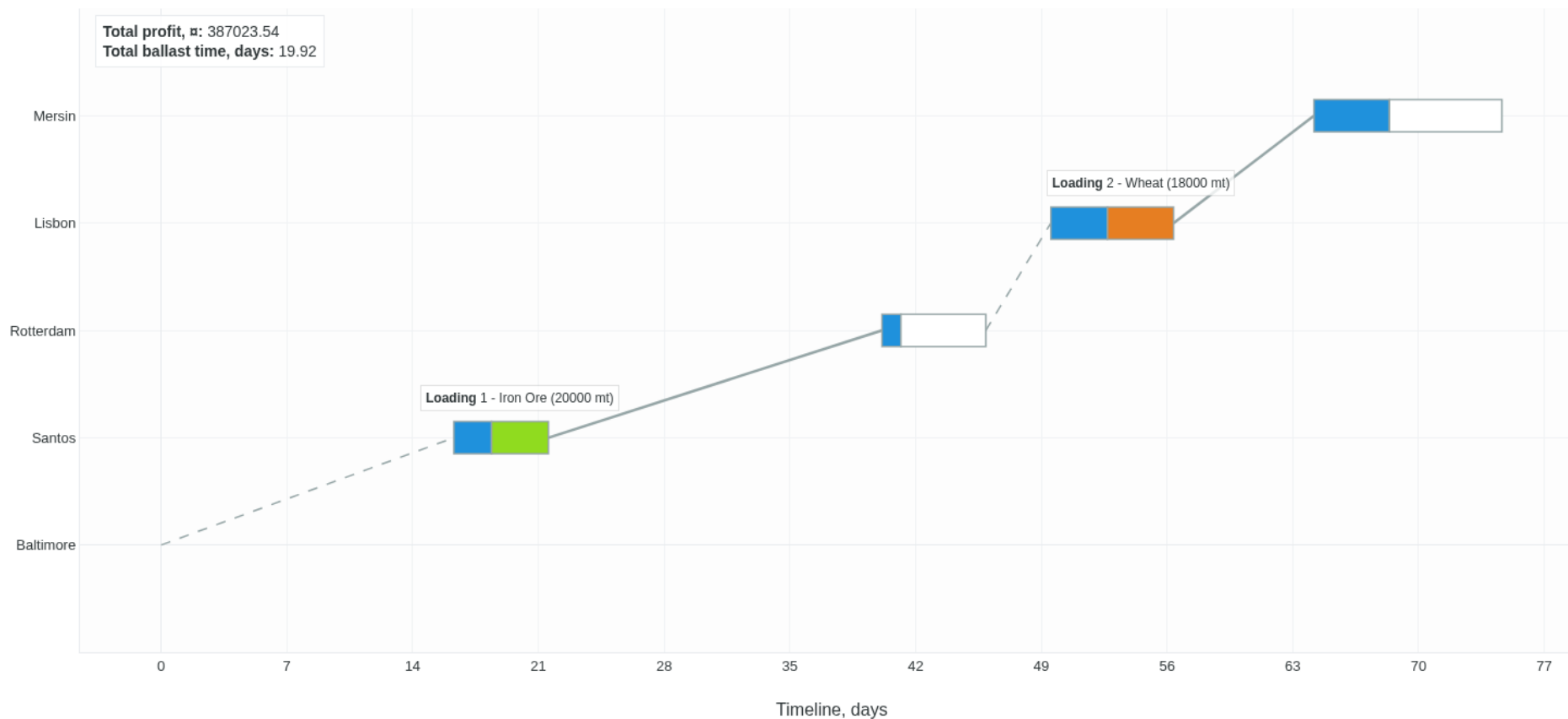


Voyage Analysis

m/v "Lea Dorma" (IMO 2222222)

Route 1 — Voyage-chain for m/v Lea Dorma



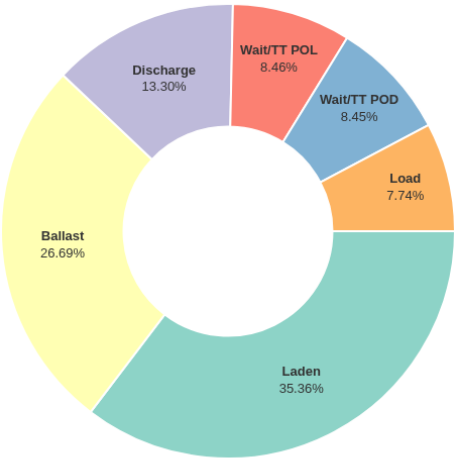
Voyage Operations

m/v "Lea Dorma" (IMO 2222222)

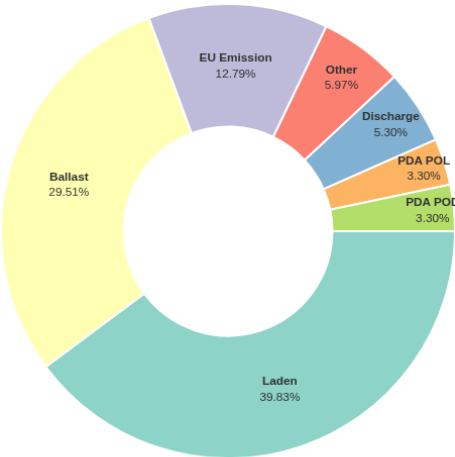
Cargo Name	Weight, mt	Location	Operation	LayCan	Start Date	End Date	Duration, days
		Baltimore → Santos	Ballast		29-07-2026	14-08-2026	16.3
		Santos	Waiting (POL)		14-08-2026	16-08-2026	2.1
1 - Iron Ore	20000	Santos	Loading	12-08-2026 - 20-08-2026	16-08-2026	19-08-2026	3.16
				Arrival: 14-08-2026 07:12			
				LayCan status date: 16-08-2026 22:19			
				Time to canceling: 3.1 days			
1 - Iron Ore	20000	Santos → Rotterdam	Laden		19-08-2026	07-09-2026	18.57
		Rotterdam	Waiting (POD)		07-09-2026	08-09-2026	1.05
1 - Iron Ore	20000	Rotterdam	Discharging		08-09-2026	12-09-2026	4.73
		Rotterdam → Lisbon	Ballast		12-09-2026	16-09-2026	3.62
		Lisbon	Waiting (POL)		16-09-2026	19-09-2026	3.15
2 - Wheat	18000	Lisbon	Loading	19-08-2026 - 26-08-2026	19-09-2026	23-09-2026	3.68
				Arrival: 16-09-2026 12:43			
				LayCan status date: 20-09-2026 05:02			
				Late arrival: 25.2 days			
2 - Wheat	18000	Lisbon → Mersin	Laden		23-09-2026	01-10-2026	7.82
		Mersin	Waiting (POD)		01-10-2026	05-10-2026	4.2
2 - Wheat	18000	Mersin	Discharging		05-10-2026	11-10-2026	6.26
			Total time				74.64

Analysis Summary

Voyage Time Structure



Voyage Cost Structure



Time metrics, day

Vessel	Laden	Ballast	Load	Discharge	Wait/TT POL	Wait/TT POD	Ballast Exit	Total	Attained CII (AER)	CII Rating
Lea Dorma	26.39	19.92	5.78	9.93	6.31	6.31	0	74.64	5.796	C

Detailed emission metrics, tCO₂

Vessel	Laden	Ballast	Load	Discharge	Wait/TT POL	Wait/TT POD	Ballast Exit	Total
Lea Dorma	1543.63	1152.44	80.48	140.08	51.97	52.6	0	3021.2

Environmental calculation coefficients

Coefficient	Regular Fuel (HFO)	Eco Fuel (MGO / MDO)
LCV, MJ/kg	40.5	42.7
WtT, gCO ₂ eq/MJ	13.5	14.4
Direct CO ₂ factor, tCO ₂ /mt fuel	3.114	3.206
ETS CO ₂ eq factor, tCO ₂ eq/mt fuel	3.1631	3.2551
CH ₄ factor, g/g fuel	0.00005	0.00005
N ₂ O factor, g/g fuel	0.00018	0.00018
Methane slip, %	0	0

FuelEU Maritime planning metrics

Vessel	Energy, MJ	WtT, tCO ₂ eq	TtW, tCO ₂ eq	WtW, tCO ₂ eq	Actual, gCO ₂ eq/MJ	Target, gCO ₂ eq/MJ	Compliance balance, tCO ₂ eq	Status	Indicative penalty, €
Lea Dorma	14844137	206.323	1147.034	1353.357	91.1712	89.3368	-27.23	Deficit	17482.75

Profitability metrics, ₺

Vessel	Net Profit	Total Income	Total Cost	Wait/TT POL	PDA POL	Load	Laden	Wait/TT POD	PDA POD	Discharge	Ballast	Ballast Exit	EU Emission	Canal Laden	Canal Ballast	Canal Ballast Exit	Profit/day
Lea Dorma	387023.54	1418000	1030976.46	16336.32	34000	24731.08	410593.14	20507.5	34000	54615	304284.48	0	131908.94	0	0	0	5185.2

Detailed cargo profitability metrics, ₺

Vessel	Cargo	POL	POD	Weight, mt	Total Time	Total Income, ₺	Total Cost, ₺	Net Profit, ₺	Cost/Basis	Cost/Day	Profit/Day
Voyage Total				38000	74.64	1418000	1030976.46	387023.54	27.13	13812.65	5185.2
Lea Dorma	Iron Ore	Santos	Rotterdam	20000	45.91	680000	631272.64	48727.36	31.56	13750.22	1061.37

Voyage Analysis report



Vessel	Cargo	POL	POD	Weight, mt	Total Time	Total Income, ₺	Total Cost, ₺	Net Profit, ₺	Cost/Basis	Cost/Day	Profit/Day
	Wheat	Lisbon	Mersin	18000	28.73	738000	399703.82	338296.18	22.21	13912.42	11775.01

What-if Analysis

Baseline voyage compared with the recalculated What-if profile.

Changed assumptions

Fuel price640 → 720 Eco fuel price1250 → 1400 EUA115 → 120

Time metrics, day

Vessel	Laden	Ballast	Load	Discharge	Wait/TT POL	Wait/TT POD	Ballast Exit	Total	Total non-prod	Attained CII (AER)	CII Rating
Lea Dorma	26.39	19.92	5.78	9.93	6.31	6.31	0	74.64		5.796	C
What-if	26.39	19.92	5.78	9.93	6.31	6.31	0	74.64		5.796	C
Difference	0	0	0	0	0	0	0	0	—	0	—

Detailed emission metrics, tCO₂

Vessel	Laden	Ballast	Load	Discharge	Wait/TT POL	Wait/TT POD	Ballast Exit	Total
Lea Dorma	1543.63	1152.44	80.48	140.08	51.97	52.6	0	3021.2
What-if	1543.63	1152.44	80.48	140.08	51.97	52.6	0	3021.2
Difference	0	0	0	0	0	0	0	0

FuelEU Maritime planning metrics

Energy, MJ	WtT, tCO ₂ eq	TtW, tCO ₂ eq	WtW, tCO ₂ eq	Actual, gCO ₂ eq/MJ	Target, gCO ₂ eq/MJ	Compliance balance, tCO ₂ eq	Status	Indicative penalty, €
14844137	206.323	1147.034	1353.357	91.1712	89.3368	-27.23	Deficit	17482.75
14844137	206.323	1147.034	1353.357	91.1712	89.3368	-27.23	Deficit	17482.75
Difference	0	0	0	0	0	0	—	0

Profitability metrics, ₺

Vessel	Net Profit	Total Income	Total Cost	Wait/TT POL	PDA POL	Load	Laden	Wait/TT POD	PDA POD	Discharge	Ballast	Ballast Exit	EU Emission	Canal Laden	Canal Ballast	Canal Ballast Exit	Profit/day
Lea Dorma	387023.54	1418000	1030976.46	16336.32	34000	24731.08	410593.14	20507.5	34000	54615	304284.48	0	131908.94	0	0	0	5185.2
What-if	279626.91	1418000	1138373.09	18318.56	34000	27735.84	460930.32	22968.4	34000	61168.8	341607.04	0	137644.13	0	0	0	3746.34
Difference	-107,396.63	0	+107,396.63	+1,982.24	0	+3,004.76	+50,337.18	+2,460.9	0	+6,553.8	+37,322.56	0	+5,735.19	0	0	0	-1,438.86