

51,371 mt MR Tanker

Grace Lucrum



Ship Basic Information

Builders	Shina Shipbuilding, Korea
Type	Oil/Chemical Tanker
Flag	Liberia
Port of registry	Monrovia

Vessel Specific Information

	IMO No.	Delivery	Summer DWT (mt)	Lightweight (mt)
Grace Lucrum	9301902	Jun-06	51,371.00	10,260.00

Dimension and Main Data

Length o. a.	183.00 m
Length b.p.	174.00 m
Breadth max.	32.20 m
Depth moulded	19.10 m
Distance keel - top antenna	49.18 m
Mean draft in sea water on sfb	13.13 m
GT	29,683 t
NT	13,757 t

Tank Capacity

IFO 380 / VLSFO	1,180.10 m ³ (100%)
LSMGO	663.43 m ³ (100%)
Fresh water	210.00 m ³
Water ballast	23,027.1 m ³

Cargo Capacity

Tank	Volume 100%	Volume 98%
1 P/S		6012.58 m ³
2 P/S		8890.96 m ³
3 P/S		9386.20 m ³
4 P/S		9386.20 m ³
5 P/S		9386.20 m ³
6 P/S		8807.71 m ³
SLOP P/S		2,394.36 m ³
Total	55371.65 m ³	54264.421 m ³

Cargo Tanks Characteristics

Number of Tanks	12
Number of Slop Tanks	2
Segregation	7 grades with double valve segregation
Cargo Heating	Heat exchanger in 1W~6W, SS coils in Slop P&S

Cargo Pumps		
Pumps	Submerged	Submerged
Number	12	2
Maker	Framo	Framo
Capacity m ³ /h nominal	600	300
Max Loading rate per manifold connection m ³ /h	1,200	
Max Loading rate through all manifolds m ³ /h	3,600	
Driven by	Hydraulic motor	Hydraulic motor

Morring Arrangements	
Winches	Double Drum, Hydraulic, Band Brakes
Number	2 Fwd + 1 Fwd main deck / 2 Aft + 1 Aft main deck
BHC of Winches	48.1 t
BITT	6 Fwd (55 T) + 8 Aft (55 T) + 8 Main Deck Fwd (55 T) + 6 Main Deck Aft (55T)
Windlass	2 - Brake's Capacity - 57 T

Hose Handling Cranes	
Number of Cranes	1
Capacity	10 t with outreach 4.0 m
Machinery	Main engine
Type	STX ENGINE / B&W 7S50MC-C
Power	15050 BHP (11060 Kw x 127 RPM)
	Auxillary engine
Number	4
Type	MAN B&W 6L23/30H
Power	785 Kw
Grade fuel used	MGO

Fuel consumption per day at full speed	
At sea (ballast)	14.0 kts about 29.0 mt (Eco Speed 13.0 kts about 27.0 mt)
At sea (laden)	13.5 kts about 29.5 mt (Eco Speed 12.5 kts about 26.0 mt)
In port, loading	about 7.0 mt VLSFO, about 5.0 mt MGO
In port discharging	about 12.0 mt VLSFO, about 8.0 MGO
Tanks washing	about 14.0 mt VLSFO