

37,105 mt MR Tanker

Grace Glaciesruptor



Ship Basic Information

Builders	Hyundai Mipo Dockyard Co., Ltd. Korea
Type	Oil/Chemical Tanker
Flag	Liberia
Port of registry	Monrovia

Vessel Specific Information

	IMO No.	Delivery	Summer DWT (mt)	Lightweight (mt)
Grace Glaciesruptor	9327372	Feb-06	37,105.00	8,898.00

Dimension and Main Data

Length o. a.	182.55 m
Length b.p.	176.08 m
Breadth max.	27.34 m
Depth moulded	16.70 m
Distance keel - top antenna	45.81 m
GT	23,34 t
NT	10,11 t

Tank Capacity

IFO 380 / VLSFO	492.90 m ³ (100%)
LSMGO	638.40 m ³ (100%)
Fresh water	180.00 m ³
Water ballast	18,873.80 m ³

Cargo Capacity

Tank	Volume 100%	Volume 98%
1 P/S		6035.60 m ³
2 P/S		7176.20 m ³
3 P/S		7194.60 m ³
4 P/S		7194.60 m ³
5 P/S		7194.60 m ³
6 P/S		6341.80 m ³
SLOP P/S		878.60 m ³
Total		42016.00 m ³

Cargo Tanks Characteristics

Number of Tanks	12
Number of Slop Tanks	2
Segregation	6 grades with double valve segregation

Cargo Pumps			
Pumps	Centrifugal	Centrifugal	Centrifugal
Number	10	2	2
Maker			
Capacity m ³ /h nominal	500	320	150
Max Loading rate per manifold connection m ³ /h	1,838		
Max Loading rate through all manifolds m ³ /h	3,000		
Driven by	Electric motor	Electric motor	Electric 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	30.6 t
BITT	4 Fwd (64 T) + 4 Aft (64 T) + 4 Main Deck Fwd (46 T) + 2 Main Deck Aft (41T)
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	BMZ MAN -B&W/7S50MC-C
Power	15050 BHP (11060 Kw x 127 RPM)
Auxillary engine	
Number	3
Type	Hyundai-Himsen/6H21/32
Power	850 Kw
Grade fuel used	MGO

Fuel consumption per day at full speed	
At sea (ballast)	14.0 kts about 25.2 mt (Eco Speed 13.0 kts about 20.4 mt)
At sea (laden)	13.0 kts about 20.4 mt (Eco Speed 12.5 kts about 15.2 mt)
In port, loading	about 5.0 mt VLSFO, about 3.0 mt MGO
In port discharging	about 8.0 mt VLSFO, about 5.0 MGO
Tanks washing	about 9.0 mt VLSFO