

## 47,786 mt MR Tanker

### Grace Fortuna



#### Ship Basic Information

Builders	STX Ship Building Ltd, Korea
Type	Oil/Chemical Tanker
Flag	Liberia
Port of registry	Monrovia

#### Vessel Specific Information

	IMO No.	Delivery	Summer DWT (mt)	Lightweight (mt)
Grace Fortuna	9349198	Aug-07	47,786.00	9,894.20

#### Dimension and Main Data

Length o. a.	183.00 m
Length b.p.	173.90 m
Breadth max.	32.20 m
Depth moulded	19.10 m
Distance keel - top antenna	45.90 m
Mean draft in sea water on sfb	12.45 m
GT	30,053 t
NT	12,159 t

#### Tank Capacity

IFO 380 / VLSFO	1,291.40 m <sup>3</sup> (100%)
LSMGO	440.40 m <sup>3</sup> (100%)
Fresh water	210.00 m <sup>3</sup>
Water ballast	24,127.0 m <sup>3</sup>

#### Cargo Capacity

Tank	Volume 100%	Volume 98%
1 P/S		3079.411m <sup>3</sup> + 3076.749m <sup>3</sup>
2 P/S		4623.158m <sup>3</sup> + 4632.693m <sup>3</sup>
3 P/S		4710.645m <sup>3</sup> + 4704.805m <sup>3</sup>
4 P/S		4704.577m <sup>3</sup> + 4709.605m <sup>3</sup>
5 P/S		4713.801m <sup>3</sup> + 4704.878m <sup>3</sup>
6 P/S		4241.157m <sup>3</sup> + 4253.871m <sup>3</sup>
SLOP P/S		699.521m <sup>3</sup> + 707.755m <sup>3</sup>
Total	54655.741 m <sup>3</sup>	53562.626 m <sup>3</sup>

#### 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

<b>Cargo Pumps</b>		
Pumps	Submerged	Submerged
Number	12	2
Maker	Framo	Framo
Capacity m <sup>3</sup> /h nominal	600	300
Max Loading rate per manifold connection m <sup>3</sup> /h	1,782	
Max Loading rate through all manifolds m <sup>3</sup> /h	4,640	
Driven by	Hydraulic motor	Hydraulic motor

<b>Morring Arrangements</b>	
Winches	Double Drum, Hydraulic, Band Brakes
Number	2 Fwd + 1 Fwd main deck / 2 Aft + 1 Aft main deck
BHC of Winches	45.6 t
BITT	6 Fwd ( 64 T ) + 8 Aft ( 32 T ) + 8 Main Deck Fwd ( 64 T ) + 6 Main Deck Aft ( 51T)
Windlass	2 - Brake's Capacity - 57 T

<b>Hose Handling Cranes</b>	
Number of Cranes	1
Capacity	10 t with outreach 4.0 m

<b>Machinery</b>	<b>Main engine</b>
Type	STX MAN B & W 6S50MC-C Type
Power	9,480 KW x 127 rpm / 12,900BHP
<b>Auxillary engine</b>	
Number	3
Type	MAN B&W STX
Power	750 Kw
Grade fuel used	MGO

<b>Fuel consumption per day at full speed</b>	
At sea (ballast)	14.0 kts about 28.0 mt (Eco Speed 13.0 kts about 22.70 mt)
At sea (laden)	13.5 kts about 27.5 mt (Eco Speed 12.5 kts about 22.40 mt)
In port, loading	about 7.0 mt VLSFO, about 8.0 mt MGO
In port discharging	about 9.50 mt VLSFO, about 22.0 MGO
Tanks washing	about 15.0 mt VLSFO