

47,409 mt MR Oil Tanker

Grace Leo



Ship Basic Information

Builders	Onomichi Dockyard Co., Ltd., Japan
Type	Oil Tanker
Flag	Liberia
Port of registry	Monrovia
Classification	<input checked="" type="checkbox"/> HULL <input checked="" type="checkbox"/> MACH Oil tanker ESP Unrestricted navigation <input checked="" type="checkbox"/> AUT-UMS, MON-SHAFT, GREEN PASSPORT, INWATERSURVEY

Vessel Specific Information

	IMO No.	Delivery	Summer DWT (mt)	Lightweight (mt)
Grace Leo	9380051	Apr-09	47,409.00	8,855.00

Dimension and Main Data

Length o. a.	182.50 M
Length b.p.	172.00 M
Breadth moulded	32.20 M
Depth moulded	18.10 M
Distance keel - top antenna	45.53 M
GT	26,900
NT	13,660

Tank Capacity

IFO 380 / VLSFO	1,380.1 CBM (100%)
LSMGO	475.0 CBM (100%)
Fresh water	316.3 CBM
Water ballast	18,417.3 CBM

Cargo Capacity

Tank	Volume 100% (PS)	Volume 100% (SS)	Volume 98% (PS)	Volume 98% (SS)
NO 1 C.O.T	3,206.0 CBM	3,210.6 CBM	3,141.9 CBM	3,146.4 CBM
NO 2 C.O.T	4,481.4 CBM	4,484.2 CBM	4,391.8 CBM	4,394.5 CBM
NO 3 C.O.T	4,599.8 CBM	4,604.3 CBM	4,507.8 CBM	4,512.2 CBM
NO 4 C.O.T	4,594.1 CBM	4,600.7 CBM	4,502.2 CBM	4,508.7 CBM
NO 5 C.O.T	4,591.0 CBM	4,595.7 CBM	4,499.2 CBM	4,503.8 CBM
NO 6 C.O.T	4,294.4 CBM	4,298.8 CBM	4,208.5 CBM	4,212.8 CBM
SLOP	918.6 CBM	1,058.2 CBM	900.2 CBM	1,037.0 CBM
RESIDUE TANK	135.4 CBM		132.7 CBM	
Total	53,673.2 CBM		52,599.7 CBM	

Cargo Tanks Characteristics

Coating	Epoxy
Segregation	4 grades with double valve segregation
Heating	Stainless steel heating coils in 1-6 C.O.T. (P&S), Slop (P&S)

Cargo Pumps

Pumps	Cargo Pumps	Cargo Eductors	Stripping Pumps
Number	4	1	1
Nominal capacity	1000 CBM/HR	250 CBM/HR	200 CBM/HR
Driven by	Steam	-	Steam
Max. loading rate per manifold connection	1,505.5 CBM/HR		
Max. loading rate through all manifolds	6,022.0 CBM/HR		

Fuel consumption per day at full speed

At sea (ballast)	14.2 kts about 27.3 mt (Eco Speed 13.1 kts about 21.9 mt)
At sea (laden)	13.2 kts about 27.3 mt (Eco Speed 12.1 kts about 21.9 mt)
In port, loading	about 5.6 mt VLSFO/MGO
In port discharging	about 37.5 mt VLSFO/MGO
Tanks washing	about 25.5 mt VLSFO/MGO