

85000 mt dwt crude oil/dirty product carrier

m.t. **Solena**



This vessel is a modern crude oil and black petroleum products carrier. It is capable of carrying and maintaining heated cargoes. The vessel has segregated ballast tanks and complies with the latest OCIMF mooring and manifold requirements.

### Principal Particulars

Summer dwt:	88836 metric tonnes
Summer draft:	13.03 metres (42ft. 9ins).
Length overall:	243.83 metres (800ft.)
Beam (extreme):	42.05 metres (138ft).
Depth (moulded):	18.5 metres (60ft. 9ins)
Height (overall):	50.09 metres (164ft. 4ins.) Keel to highest fixed point

### Year Built & Classification

Year:	1980
Classification:	Lloyds +100 A1 oil Tanker + LMC with UMS

### Tonnages

Gross Registered Tonnes:	51771
Net Registered Tonnes:	27041
Suez Net Tonnes:	47590
Panama Net Tonnes:	N/A
Lightship:	18599 Tonnes

### Cargo Carriage Features

Total Capacity 98%:	All cargo tanks. 100564 cubic metres. (632,527 US Barrels)
Number of Grades:	3
Inert Gas System:	YES, with Crude Oil Wash capability.
Cargo Heating:	To 57 C, by coils in tanks.
Tank Coating System:	none
Cargo Pumps:	3 centrifugal pumps, each 2500 cubic metres/hr. 1 stripping pump, 250 cubic metres/hr. 1 eductor, 450 cubic metres/hr.

## Cargo Tank Capacities

Tanks	Cu. metres 98%.
No.1C	11250
No.2C	9453
No.3C	10804
No.4C	10804
No.5C	6753
No.1Ws	15120
No.2Ws	16685
No.3Ws	15421
slop tk p	2137
slop tk s	2137
Total	100564

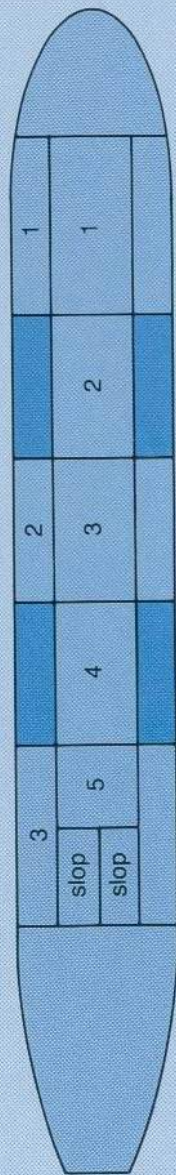
## Deadweight Scale (Approximate figures)

Draft (Metres)	DWT(tonnes)	Displacement(tonnes)	TPC
summer	88846	107445	90.35
13	88800	107200	90.3
12	79619	98218	89.2
11	70765	89364	88.0
10	62031	80630	86.8
9	53409	72008	85.6
8	44891	63490	84.7
7	36455	55054	84.0
6	28095	46694	83.2
5	19821	38420	82.2

Freshwater Allowance 297 mm.

## Manifold Connections

Number and Size:	4 x 16"
Type of Flange:	Nod Iron
Reducers, Number and Sizes:	4 x 16"-12", 4 x 16"-10", 4 x 16"-8".
Bow to Centre of Manifolds:	123.5 metres (405ft. 2ins.)
Height Above Waterline:	on SWDT draft 6.99 metres on lightship draft 14.0 metres



## Ballast Arrangements

Total Capacity of Ballast Tanks:	37233 cubic metres
Location & Type:	Wing tanks No's 3 and 4 SBT.
Ballast Pumps:	1 centrifugal pump, 3000 cubic metres/hr.

## Mooring Equipment

Number & Location of Winches:	6; 2 on forecastle, 1 forward maindeck, 1 aft maindeck and 2 on the poop.
Brake Capacity:	38 tonnes.
Moorings:	12 x 220m x 70mm each 103 tonnes. 8 x 220m x 64mm each 45 tonnes.
Length of Anchor Cable:	13 shackles each side.
Number & Type of Bowstopper:	2 x AKD bowstoppers S.W.L. 200 tonnes.

## Cranes/Derricks

Hose Handling:	2 x 10 tonne S.W.L.
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Particulars believed to be correct but not guaranteed.



SOLENA