

118,000 dwt crude oil carriers

m.t. **Nacella**

m.t. **Narica**

m.t. **Naticina**



These vessels are designed for the carriage of crude oil. Cargo is carried in centre and wing tanks, with 1 set of wing tanks retained as permanent ballast tanks. They are designed to segregate two grades of no heat crude.

There are four manifold connections linked to two main deck and tank bottom lines, with two main cargo pumps. In addition an independent stripping system linked to two stripping pumps completes the segregation capability.

### Principal Particulars

Summer dwt:	117,156 tonnes
Summer draft:	14.90 metres (48ft. 11ins)
Length overall:	265.18 metres (870ft. 1ins)
Beam (extreme):	42.07 metres (138ft. 0in)
Depth (moulded):	19.61 metres (64ft. 4in).
Height (overall):	47.60metres (156ft. 2in) keel to highest fixed point.

### Year Built & Classification

Year:	1968
Classification:	Lloyds + 100 A1 PT HT and (c.c.) + LMC

### Tonnages

Gross Registered Tonnes:	60275
Net Registered Tonnes:	42594
Suez Net Tonnes:	53962
Panama Net Tonnes:	N/A
Lightship:	18390 Tonnes

### Cargo Carriage Features

Total Capacity 98%:	All cargo tanks. 137645 cubic metres (865,761 U.S. barrels )
Number of Grades:	2
Inert Gas System:	Yes, with Crude Oil Washing capability.
Cargo Heating:	Not fitted.
Tank Coating System:	None
Cargo Pumps:	2 centrifugal main cargo pumps, each 4,500 m3/hr. 2 reciprocating stripping pumps, each 300 m3/hr.



**Cargo Tank Capacities**

Tanks	Cu. metres 98%.
No.1C	13258
No.2C	11782
No.3C	8835
No.4C	16199
No.5C	10392
slop tk.	1485
No.1Ws	18504
No.2Ws	17342
No.4Ws	23834
No.5Ws	16014
Total	137645

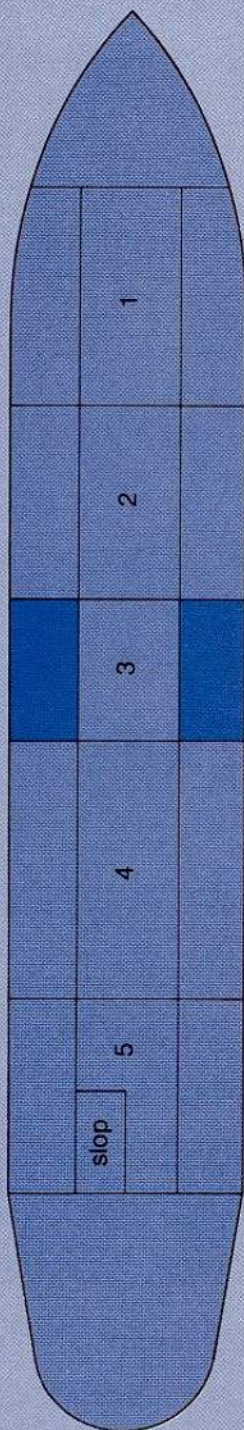
**Deadweight Scale (Approximate figures)**

Draft (Metres)	DWT(tonnes)	Displacement(tonnes)	TPC
summer	117,156	135,546	97.6
14	108,346	126,736	96.7
13	98,658	117,048	95.8
12	89,209	107,599	94.8
11	79,658	98,048	94.0
10	70,310	88,700	93.2
9	61,039	79,429	92.5
8	51,768	70,158	91.8
7	42,598	60,988	91.4
6	33,530	51,920	91.0
5	24,436	42,826	90.4

Freshwater allowance 352mm

**Manifold Connections**

Number and Size:	4 x 16"
Type of Flange:	Nod Iron ASA 150
Reducers, Number and Sizes:	4 x 16"-12", 4 x 16"-10".
Bow to Centre of Manifolds:	134.1 metres (440ft. 0in).
Height Above Waterline:	on SWDT draft 6.2 metres. on Ballast draft 14.5 metres.







## **Ballast Arrangements**

Total Capacity of Ballast Tanks: 20733 cubic metres.

Location & Type: forward PB, No.3Ws and Aft PB (Permanent ballast tanks).

Ballast Pumps: 1 centrifugal pump, 2200 m<sup>3</sup>/hr.

## **Mooring Equipment**

Number & Location of Winches: 9; 5 forward, 4 aft.

Brake Capacity: 48 tonnes

Moorings: Wires 10 x 280m x 44mm, 122 tonnes. Ropes 1st ropes 2 x 370m x 72mm, 90 tonnes. 8 x 370m x 64mm, 45 tonnes.

Length of Anchor Cable: 12 shackles each side.

Number & Type of Bowstopper: 2 x AKD, 200 tonne S.W.L.

## **Cranes/Derricks**

Hose Handling: 2 x 10.2 tonne

Stores Handling: 2 x 1.0 tonne

Particulars believed to be correct but not guaranteed.