

### PARTICULARS OF M.T "PRINCESS NAOMI"

OWNER : PT. Waruna Nusa Sentana  
 CHARTERER :  
 COMMERCIAL OPERATOR: PT. Waruna Nusa Sentana  
 TECHNICAL MANAGER : PT. Waruna Nusa Sentana

BUILDER: MINAMINIPPON SHIP BUILDING CO., LTD., USUKI, JAPAN HULL No.: M-539  
 KEEL LAID: 16-Jun-95 LAUNCHED: 09-Sep-95 DELIVERED: 20-Feb-96

FLAG: INDONESIA PORT OF REGISTRY: BELAWAN  
 IMO NUMBER: 9126273 CLASS: NKK - NS ( TOB, 60C & CIII) (ESP) MNS / MO

CALLSIGN: YBEKZ  
 MMSI : 525020393  
 FBB : 710071 070 7739 91773  
 E-MAIL : princess.naomi@waruna.onsatmail.com

LOA: 175.00 M LBP: 165.00 M BREADTH: 27.70 M DEPTH: 16.00 M

INT. GRT: 20597.00 INT. NRT: 7644.00 SUEZ GRT: 21459.99 SUEZ NRT: 18260.76 PANAMA: 17188.00

AIRDRAFT: keel to top 42.945 M

	FREEBOARD	DRAFT	DWT	DISPL.	
SUMMER:	6014.00 mm	10.016 M	30949.00	38914.00	FWA @ SUMMER DRAFT: 235 mm
WINTER:	6222.00 mm	9.808 M	30086.00	39051.00	TPC @ SUMMER DRAFT: 41.1 MT
TROPICAL:	5806.00 mm	10.224 M	31862.00	39779.00	
LIGHTSHIP:	13800.00 mm	2.23 M	0.00		LIGHTWEIGHT: 7965 MT
BALLAST:	9170.00 mm	6.88 M	18141.00		

Manifold connections: 7 Manifold size: 40" ( ANSI #150 - 250A) Segregations: 7  
 Manifold center to accommodation front: 46.120 M Manifold center to Bow: 85.60 M Manifold center to stern: 86.40 M  
 Distance between manifolds: 1.00 M Distance ship side to manifold: 4.57 M Height of manifold above deck: 1.97 M  
 Height of manifold above sea level ( loaded): 7.98 M Height of manifold above sea level (ballast): 11.09 M

Cargo pumps: 14 (300 M3/H X 100 M) Portable cargo pump: 1 (70 M3/H X 70 M)  
 Tank cleaning pump: 1 (120 M3/H X 110 M) Ballast Pumps: 2 ( 500 M3/H X 30 M)  
 MAXIMUM LOADING RATE: 697 MT/H per manifold MAXIMUM DISCHARGING RATE: 2400 MT/H ( 8 pumps - 4 manifolds)

Cargo tanks: 12 tanks Slop Tanks : 2 tanks Segregated ballast tanks: 12 Tanks  
 Cargo tanks capacity (100%): 33,906.310 M3 + Slop tanks capacity (100%): 3,747.699 M3 = Total capacity (100%): 37,654.009 M3  
 Cargo tanks capacity (98%): 33,228.200 M3 + Slop tanks capacity (98%): 3,672.350 M3 = Total capacity (98%): 36,900.950 M3  
 F.O. Tanks: 2191.60 M3 MDO Tanks: 163.66 M3 FW tanks: 481.86 M3 Tank cleaning tank: 570.82 M3 Ballast tanks: 14885.14 M3

Main engine: MITSUBISHI 6UEC52LS MCO 10800PS ( 7943 KW) @ 120 RPM CSO 9180PS (6752KW)@ 113.7 RPM  
 Auxiliary engines: 4 YANMAR 720KW (each)  
 Propeller: Aerofoil - 4 blades ( nickel, aluminium, bronze) 6100 mm (DIA) X 3939 ( PITCH)

Windlass winch: 2 ( 21T X 9 M/Min) Mooring winch: 8 ( 11T X 15M/Min)  
 Anchors: 2 Stockless type (weight 7350 Kg) Chain: 11 shackles ( each side) - length: 302.5 M - Dia: 66 mm

Hose handling crane: 1 SWL 10T Provision Handling crane: 1 SWL 2T