



NAVNAUTIK

SINGAPORE – INDIA

NAVAL ARCHITECTS | MARINE ENGINEERS | MARINE SURVEYORS | RECYCLING CONSULTANTS



PORTFOLIO OF CONVERSION PROJECTS



Built in 1974 as a supply vessel, converted in 1999/2000 to workboat

Accommodation Work Boat **SARKU SEMANTAN**

NAME

- SARKU SEMANTAN

YEAR BUILT

- Built in 1974 as a supply vessel, converted in 1999/2000 to workboat shop

OWNER/ OPERATOR

- Sarku Marine Sdn Bhd / Sarku Engineering Sdn Bhd (Malaysia)

CLASSIFICATION

- Germanicher Lloyds

FLAG/ REGISTRATION

- Malaysia
- Country & Port of Registration – Kuching, Sarawak

LIVING ACCOMMODATION

- Fully air conditioned for 92 personnel

CRANAGES

- Main Crane - Favelle Favco Crane Model 5/10K. Crane Capacity 50 metric tons with boom Length 33.5m (110 ft)



DIMENSION

- Overall Length (mid hull) 56.12 m
- Breadth Moulded 14.32 m
- Depth Moulded 7.58 m
- Loaded Draught 5.15 m
- Gross Tonnage Approx. 1467 tons

DECK SPACE

- Uninterrupted Clear Deck Space 3200 ft²
- Maximum Deck Cargo Capacity 970 ton
- Cargo Deck Strength 5 tones / m²

LIVE SAVING

- Life Rafts 8 each per 25 men
- Life Jackets 200 pcs

SAFETY EQUIPMENT

- Fire Fighting Equipment - As per SOLAS requirement
- Firewater Sprinkler - Full coverage of the accommodation area
- Fire Detection / Alarm System - Smoke / Heat Detectors connected to Central Alarm System
- Fire Fighting Personnel Protection - Two (2) each Industrial Fire Fighting Suits

SARKU SANTUBONG - CONVERSION FROM CABLE INSTALLER TO ACCO WORK BOAT / DP DSV

OWNER : SARKU ENGINEERING SERVICES SDN BDH, MALAYSIA

Dimensions

Overall Length : 89.24 m

Breadth Moulded : 17.25 m

Depth Moulded : 7.00 m

Loaded Draught : 5.02 m

Gross registered Tonnage : Approx. 2829 Tons

Cruising : 10 knots – about 14 MT per day

Maximum : 12 knots – about 16 MT per day

Mooring System

4 Point Mooring

Drum / Winches – 45 T x 4 x Single drum hydraulic winches

Local and Full Remote Control at wheelhouse with Tension & Footage Counter and CCTV monitoring

Anchor – Four (4) Delta Flipper 5,000 kg each

Anchor Wire – IWRC wire rope size: 44 mm; Length: 1,200 m



SARKU SIPADAN - Built in 1976 as a supply vessel with 45 men, converted in 2005-08 to Offshore Survey Vessel with 90 men

OWNER : SARKU ENGINEERING SERVICES SDN BDH, MALAYSIA

DIMENSIONS

Overall Length (mid hull) : 76.00 m

Breadth Moulded : 12.00 m

Depth Moulded : 4.60 m

Loaded Draught : 4.57 m

Gross Tonnage : Approx. 2100 tons

Cruising - 12 Knots



CONVERSION FROM 5700 DWT PRODUCT TANKER TO 4200 CBM ASPHALT CARRIER

Principal Dimensions and Main Particulars (Approx.)

Length Overall : 102.80 m

Breadth Moulded : 16.00 m

Depth Moulded : 9.80 m

Design Draft : 6.70 m

Asphalt Cargo Capacity : 4200 cbm in eight (8) tanks

Service Speed : 12.10 knots

Total Complement : 25 Persons

Class Notation :

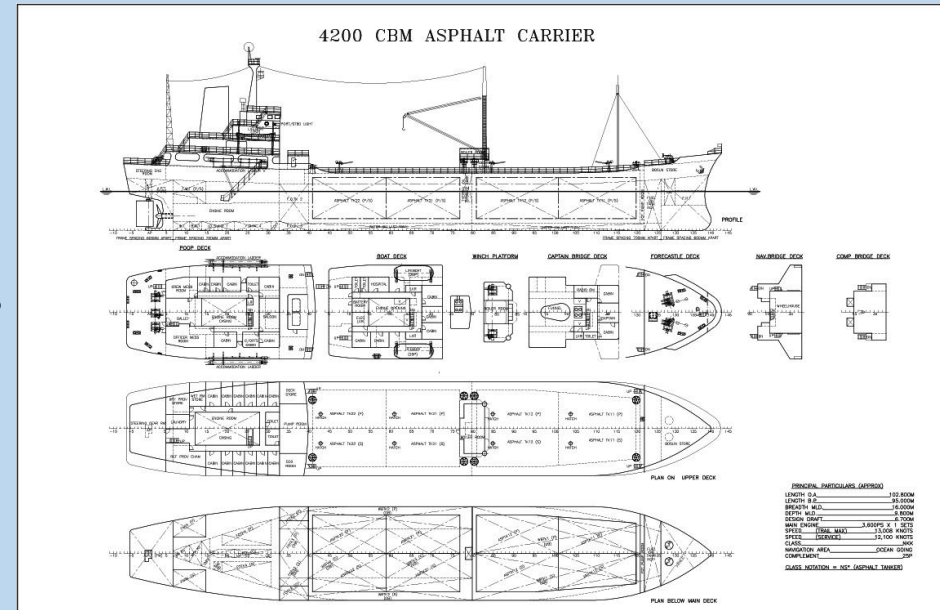
Nippon Kaiji Kyokai, NS * (ASPHALT TANKER), MNS *

Main Engines and Gearboxes

One (1) units Heavy duty diesel engine of 3600PS rating, including operational accessories with reverse reduction gearbox

Propeller and Shafting

One (1) fixed pitch propellers driven through a stainless steel shaft connected to main engine.



BOW LOADING ARRANGEMENT ADDED ON BOARD 'GOVERNOR FARKHUTDINOV'

CLIENT: PRIMORSK SHIPPING CORPORATION

VESSEL BUILT AT: BRODOSPLIT SHIPYARD SPLIT CROATIA

CLASSIFICATION SOCIETY: DNV



CONVERSION OF TANKER TO FPSO

The vessel was a Suezmax Tanker built in 1978 by Empresa Nacional 'Bazan' in Spain, named PROSTOR & Registered in Cypress.

The data in this section apply to the tanker prior to Conversion

(except for the TURRET extension)

Main Particulars

Length overall, Tanker : 288.0 m

Length of TURRET extension : 32.0 m

Length overall, FPSO : 320.0 m

Breadth extreme : 46.0 m

Depth moulded : 24.0 m

Light draught, approx : 5.0 m

Draught on summer freeboard : 16.5 m

Deadweight on this draught : 149,849 Tonnes

Propulsion Machinery

Steam turbine – Kawasaki; Max. continuous rating - 32,000 SHP

Electric Power Generation

Steam turbine alternators - 2 Brotherhood 1500 kW

Diesel alternator - 1 SACM V-16 1000 kW

Emergency diesel alternator - 1 Volvo 50 kW



LENGTHENING OF HEAVY LIFT VESSEL "MV SUPER SERVANT 4"

CLIENT: DOCKWISE N.V.

VESSEL BUILT AT:

Keppel Hitachi Zosen Limited (Formerly known as Hitachi Zosen Shipyard)

CLASSIFICATION SOCIETY: ABS



Principal Dimensions and Main Particulars (Approx.)

Length (after Lengthening) :	160.00 m
Breadth Moulded :	32.00 m
Depth Moulded :	8.50 m
Design Draft :	6.00 m
Gross Tonnage :	10,135 tons
Crew Complement :	24 persons
Speed Trial (max) :	14.2 knots

Class Notation : American Bureau of Shipping ABS + A1 (E) + AMS + ACCU

Main Engine: Two (2) sets Stork WerkSpoor 6TM410

From AHT 'Ares'



Conversion of AHT 'ARES' to ATB

By adding sponson for articouple, mezzanine deck for FRC and remodelling of accommodation spaces)

CLASS change from BV to ABS

To ATB 'Minres Thor'



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