Kreuz Supporter
Diving support & construction work barge

Versatile construction work barge for shallow water construction works

- 8-point mooring
- 149 accommodation
- Class approved SAT dive facilities
- Air dive facilities
- 1400 m² deck
- 275 t crawler crane
- Pipeline davits

Primary activities
- Subsea construction and installation work
- Diving support operations, saturation and air diving
- Offshore accommodation
GENERAL INFORMATION

Classification: ABS – IRS (Dual)
Build: 2006
Flag state: Panama
Notation: A1 accommodation work barge + MOU

DIMENSIONS AND CAPACITIES

Length overall: 96.59 m
Breadth: 27.40 m
Draught (min/max): 3.18 m
Deadweight: 4911.48 t
Gross tonnage: 5650.00 t
Net tonnage: 1695.00 t

MOORING EQUIPMENT

Mooring winch: 8-point mooring winch
Anchors: 9 x 10 t delta flipper
Mooring wire: 950 m x 42 mm wire
Anchor buoys: 8 units
Damage prevention buoys: 6 units

POWER SUPPLY

Main generators: 1 x 700 kVA Mitsubishi S12A2/PTAW
2 x 700 kVA Cummins KTA38D(M)
Emergency generator: 1 x 250 kVA Mitsubishi BDC9
Distribution: 380/220 V, 3-phase, 50 Hz

DECK CRANES

Main crane: Hitachi Sumitomo SCX2800-2/275 t class crawler crane; 47.5 m max boom length/main block max SWL = 68 mt; whip block max SWL = 13.5 mt
Secondary crane: Hitachi Sumitomo SCX900-2/90 t class crawler crane; 42 m max boom length/main block max SWL = 18 mt; whip block max SWL = 10 mt/man riding

COMMUNICATION AND NAVIGATION EQUIPMENT

Navtex receiver: 1 unit
GPS navigators: 2 units
SSB transceiver: 1 Furuno
VHF transceivers: 4 units
Immarsat C-SAT: 1 unit for GMDSS A1, 2 & 3 areas and SSAS system
PA system: 1 unit covering entire barge
Barometer: 1 unit
Handheld emergency GMDSS with spare battery: 3 units
EPIRB: 1 unit
SART: 2 units
Anemometers: 2 units
V-SAT for data/phone/email: 1 unit
UHF or VHF portable radios: 12 units

SATURATION DIVING SYSTEM

12-man hyperbaric chamber IMCA compliant ABS class & 9-man living chamber on skid. Saturation system with 3-man bell and independent (dead ship) HRC launching system compliant with class requirements; 2008 build

AIR DIVING SYSTEM

IMCA compliant, 2010 build, 2 x LARS

ACCOMMODATION

Total capacity: 149 men compliant
1-man cabins: 5
2-man cabins: 8
4-man cabins: 32
Mess room: 1
Recreation rooms: 2
Offices/conference rooms: 4
Hospital: 1-bed
Gymnasium: 1
Prayer room: 1
Galley and laundry: 1
Cyber café: 1

DECK

Clear work area: 1400 m²
Deck strength: 15 t/m²

EQUIPMENT

Freshwater maker: 1 x 64000 liters/day
Garbage compactor: 1 x 40 cubic ft
Sewage treatment: 1 x IMO approved ST plant for 150 men
Air compressors: Atlas Copco GA30 + –10
1 x 750 CFM Ingersoll Rand compressor

DAVITS

Pipeline davits: 5 x 30 t

TANK CAPACITIES

Fuel oil: 450 m³
Freshwater: 900 m³
Non-potable: 900 m³

LIFE-SAVING APPLIANCES

Life jackets: 360
Breathing apparatus: 4 units + 4 spare bottles
EEBD Set: 3 units + 2 spare units
Life ring buoy w/light & line: 8 units
Life rafts: 19 x 25 men
Rescue boat: 1 x 25 HP x 6 men