

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 4 x AMHOIST AM 77 EF waterfall type double drum
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 8DC9
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 m ²
Deck strength	15 t/m ²

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
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TANK CAPACITIES

Fuel oil	450 m ³
Freshwater	900 m ³
Non-potable	900 m ³

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