MPSV Viking Forcados

The Viking Forcados is a multi purpose support vessel designed to support diving, ROV and topside operations, as well as hose loading and cable handling

Multi Purpose Vessel

MPSV Viking Forcados is on bareboat chart to Fugro RUE AS performing diving and ROV operations in West Africa. Fugro RUE AS has carried out a vast amount of IMR and construction tasks both subsea and topside with this vessel. It has showed to be a very comprehensive and flexible work horse for this region since 2005.

Fugro RUE AS has full Air/Gas dive spread, including light diving boat, and ROV system onboard that provides an efficient package for manned and unmanned underwater intervention and inspection.

- DP 2 and 4 point mooring
- 26 t AHC crane, Hydra Marine, man riding
- 25 t Liebherr crane
- 60 t A-Frame
- 58 man accommodation
- Modulated air and/or sat dive system
- Work class ROV

MPSV Viking Forcados

Technical Specifications

VESSEL NAME	MPSV FIKING FORCADOS	**PORT OF REGISTRY**	Bridgetown, Barbados
BUILDER / YEAR	Victor Lenac Shipyard Rijeka, Croatia, 2002	**SPEED**	Max. 10,0 knots
FLAG	Barbados	**CLASS NOTATION**	Det Norske Veritas 1A1 E0 DYNPOS-AUTR

Principal dimensions:

Length overall	86.0 m
Beam	24.40 m
Depth	5.20 m
Draft min	1.80 m
Draft max	3.29 m
Gross tonnage	3.790T
Net tonnage	1.137T

Fuel consumption:

Service speed approx 9.0 knots	10 m^3 per day
Economic speed approx. 6.0 knots	8 m^3 per day
DP mode 4-6 m^3 per day	
Stand-by mode 1-2 m^3 per day	

Cargo capacity:

Deadweight 3,375T
Clear deck area 1,380 m^2
Clear deck length 60 m
Clear deck breadth 23 m
Fuel Oil 1.050 m^3
Fresh Water 440 m^3

Air-conditioning plant: The vessels accommodation area is fully air-conditioned.

Accommodation:
42 persons in one & two-man cabin
16 persons in 4x4 man porter cabins

Engine Room: Main control room measures 10m x 9.9 m and is self contained. It has exits to main engine room, tool rooms & main below deck storage area. Engine room workshops: The engine room workshop has designated areas for tool room & maintenance workshops. Spares can be made, adjusted or repaired, from gaskets to hardened machined parts.

Main below deck: Below deck there are large areas designated for tools & equipment storage, storage area: (measuring 36.75m x 25.5m). Included are large lockable units & maintenance areas.

Propulsion:
2 Schottle Azimuth 1212 nom.

Electric motor driven	1,250 kW each
2 Diesel Generator Sets	806 kW each
3 Diesel Generator Sets	952 kW each

To feed the Main Electric Plant with Power Management System.
SRP and Thrusters RPM are Independently frequency controlled.

Thrusters: 2 Bow Thrusters are JASTRAM 600KW type W90F Electric motor driven.

Auxiliaries:

1 Generator	100 kW. 440/230 Volt 60 Hz
Transformation for Main and Emergency light	440/230 V
Sewage treatment plant	
Oily Water Separator	1.0 m3/h

Deck Equipment:

Towing winch app.	50t brake load
Wire	1000 m of 38 mm SWL 25T

Anchor:
4-point mooring Anchor Winches
Anchor Spud system

Bollard Pull: Bollard Pull 53 Tons

Hoisting Equipment:

1 Crane port forw	Hydra marine 25T/ AHC
1 Crane port strb aft	Liebherr SWL 28T/ 18.5 m
1 A-Frame Stern	60t. SWL
1 Hydraulic capstan forward	
Stern Roller	Ø 3.2 m
2x electric capstun aft	

Back flush system: Flushing pump Type HGT-1-250-500
Displacement 1200 cubic meters per hour 10.8 Bar, piped to OCIMF twin 16" ANSI flanged manifold on main deck.

Pressure test pump: Electric motor driven, 85bar, 136 litre/m CAT pump

Rescue Equipment:
1 x MOB rescue craft Viking 470
Engine Yanmar Diesel 27 hp (6 persons)

Deck sockets: 450V, 220V, 110V Splash proof outlets

Main deck: Comprises an area of 60m x 24m

Client's Office: Comprises an area 4.7m x 4.7m. Located on the starboard side of main deck above the cable splice room, 2 desk spaces, and internet access. Also contains external Rig Net phone, internal phone, vhf radio, sink and fridge.

Cable Splice Room: Comprises an area of 6.7m x 2.6m. Contains a moveable overhead chain hoist and 110V, 220V & 450V splash proof outlet

Main Deck fabrication shop: Located on the starboard side in a 20' container. Fabrication Shop: Contains a pillar drill, fabrication shop: arc welder, inverter welders and air compressor. Also contains pneumatic tools, electric grinders/cutters, fitting tools and HP water jet for use on deck.

Consumables storage area: Two 10' containers racked out with bin type containers suitable for small items.

Flammable storage area paint store: Ventilated & lockable.

Incinerator: Two 10' containers racked out with bin type containers suitable for small items.

Diving Spread:
1 x Hydra marine 1500 Dual basket Decompression chamber
1 x Hydra marine LARS SWL 1000Kg with 1 side open caged dive basket
2 x Aerotecnica Coltri S.R.l HP Compressor (300 Bar) 5.5kw 7.5HP YOM 2005
2 x Hyflo Hydraulic power pack
2 x Kirby Morgan 37
3 x Kirby Morgan 18
4 x Sperre AS Low light hat mounted colour camera 0.1 Lux
O2 QUADS 13 x 50Lts @ 150Bar & 12 x 50Lts @ 150Bar
Air QUADS 3 off 16 x 50Lts @ 200Bar
3 x 150 m Umbilicals
Buckley's Bathycorrometer Cathodic Potential Meter
Cygnus Ultrasonic Thickness Meter
2 x Sea & Sea digital camera with subsea housing & strobe
Inspection control centre & editing suite with interface to dive control
Scuba replacement system
Work Boat with diesel engine

Launch & Recovery system (LARS): Located mid-ships on the port side 26.5m from the closest thrusters on the stern.

This document includes technical information. Reasonable effort has been made to verify its correctness at the time of compilation but details may change with the passage of time and without prior notice. Fugro does not accept any liability for loss or damage of any kind arising from use of the information.

Fugro RUE AS
Stoltenberg 1
5527 Haugesund
Norway
Telephone : +47 52 86 48 20
fras@fugro.no

© Fugro 2011