


## FRAM PRINCESS- Havyard 832 CD PSV

General	
Design	Havyard 832 CD
Built	Tersan Shipyard
Delivered	2013
IMO	9651852
Call Sign	5BZT5
Flag	Cyprus
Port of Reg	Limassol
ERN	99.99.95.88



Class
BV <input checked="" type="checkbox"/> HULL <input checked="" type="checkbox"/> MACH Offshore support vessel (Supply ; Fire-fighting) Unrestricted navigation COMF-VIB 3, <input checked="" type="checkbox"/> AUT-UMS, <input checked="" type="checkbox"/> SYS-NEQ-OSV, CLEANSHIP SUPER <input checked="" type="checkbox"/> DYNAPOS AM/AT R, SDS

Dimension	Deck Capacities
Length overall: 78.60 m	Cargo deck area: 801m <sup>2</sup>
LPP: 68.82 m	Cargo deck free: 56,0m x 14,3m
Breadth moulded: 17.60 m	Deck Capacity: 2200 MT (VCG 1m)
Depth moulded: 7.70 m	Deck Strength: 5 MT/m <sup>2</sup>
Maximum draught: 6.50 m (min 4.50 m)	Light weight: 2,328.2
Air draft: 30.0 m	GRT 2925
DWT at max draught: 3,548 tons	NRT 903

Power and Propulsion	
<b>Main Engines:</b> 4 x Cat 1630kW, Diesel Electric Propulsion 3-phase synch. 690VAC Variable Frequency 1 x Harbor/Emerg generator 1 x 100 kW  Total installed power 6620 kW (8.878 BHP)	<b>Thrusters:</b> 1 x FP Tunnel thrusters fwd 1224 bhp 1 x FP Tunnel thrusters fwd 1224 bhp  2 x RRM Azimuth propellers 1600kW each (2146 BHP)

Fuel Consumption figures	DP Reference System
14,5 knots: 16 T/Day	2 x DPS 200 Positioning Reference systems (GPS/GLONASS) m/IALA, Inmarsat & Spotbeam 1x CyScan. 1x RADIUS 1000 Dual System 1x RADIUS 550x Low Power Long Range EX Transponder
12 knots: 10 T/Day	
10,5 knots: 7.8 T/Day (economical speed)	
Harbour: 1 T/Day	
Offshore/DP operation 4.8 T/Day	
Idle ex 500m zone 2.1 T/Day	

Disclaimer: Details believed to be correct but without guarantee. Last updated 10.08.2022

### Framar Shipping Limited

Registered office:  
 Chrisorogiatissi & Kolokotroni  
 3040, Limassol, Cyprus

Visiting address:  
 Hermes plaza, office 201A, Ag.Athanasίου av.46,  
 Ag.Athanasios, 4102, Limassol, Cyprus

E-mail: [tom@framar.no](mailto:tom@framar.no)  
 Telephone: + 47 959 16 148  
 Fax: + 357 25 725 576

Deck Equipment	Accommodation
Deck Crane 2 x 26 tm 2,2 t at 12 m each 2 x Tugger winches (10mt) 3 x Capstans (10mt) 12 x 220V -64Amp, 6 x 440V-32 Amp +++	Accommodation for 25 13 x 1-man cabin 1 x 2-man cabin 2 x 3-man cabin 1 x 4-man cabin

Cargo - Tank Capacities / Pumps		
Tank		Pump
Ballast water/drill water	2183 m3	2x Spindel 0-200 m3/hr, 90MLC 9bar
Fresh water (8 dedicated)	820 m3	2x Spindel 0-200 m3/hr, 90MLC 9bar
Dry bulk (5 tanks - SG 2,32)	289 m3 10206 cuft	2 Segregated systems 2x 75-90 tons/hr. 5.6 bar, 25 m3/ min
Base oil ( 1 dedicated - 880bbls)	140 m3	1 x 0-100 m3/h 90 MLC, 9 bar
Fuel Oil (14 dedicated)	1041 m3	2x Spindel 0-200 m3/hr, 90MLC 9bar
Liquid mud SG 2,8 (8 combo-Brine)	955 m3 6006 bbls	2x eccentric screw 0-100 m3/h 90 MLC 24 bar
Brine SG 2,5 (8 combo - Mud)	955 m3	2x 0-100 m3/h 90 MLC or 24 bar
MEG (2 dedicated)	182 m3	
Cargo rail height; 4,10m - 2,40m stern		
4 manifolds, two on each side and two PS/SB aft		
Mud Box installed on all filling lines		
Hydraulic agitators in all mud tanks		
The piping are arranged as two systems capable of discharging two types of bulks simultaneously through two separate discharge lines. Mucking ejector fitted.		
8 x Tank Washing Machines, 60 deg C/ 10 m3/ hr/ 12 bar		

FIFI II Equipment	MOB / Standby
2 remote operated FiFi I monitors on wheelhouse top All 1200m3/hr Each, deluge according to class	1 FRC 15 Pax, 4 x 25 pers life rafts



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Ag.Athanasios, 4102, Limassol, Cyprus

E-mail: [tom@frammar.no](mailto:tom@frammar.no)  
Telephone: + 47 959 16 148  
Fax: + 357 25 725 576