



Length, Overall:	229.8 ft	70.1 m
Beam:	49 ft	15 m
Depth:	20 ft	6.1 m
Maximum Draft:	16.2 ft	5 m
Minimum Height:	77.8 ft	23.7 m
Freeboard:	3.6 ft	1.1 m
Displacement:	3,600 lt	3,650 mt
Deadweight:	1,790 lt	1,810 mt
Clear Deck Space:	90 x 41 ft	27.3 x 12.5 m
Clear Deck Area:	3,520 ft <sup>2</sup>	330 m <sup>2</sup>
Deck Strength:	1,540 lb/ft <sup>2</sup>	7.5 t/m <sup>2</sup>

Class Notations:  
 ABS: +A1, (E), Towing Vessel, FFV-1, +AMS, +DPS-2

## **MV LADY STEF**

70M Anchor Handling Supply Vessel

Vessel Characteristics

Capacities

Deck Cargo:	590 lt	600 t
Fuel Oil:	219,000 gal	830 m <sup>3</sup>
Potable Water:	39,000 gal	150 m <sup>3</sup>
Fresh Water:	72,200 gal	270 m <sup>3</sup>
Drill/Ballast Water:	112,000 gal	420 m <sup>3</sup>
Bulk Tanks (4 tanks):	7,060 ft <sup>3</sup>	200 m <sup>3</sup>
Liquid Mud (21 lbs/gal):	3,350 bbl	530 m <sup>3</sup>
Oil Dispersant:	3,480 gal	13.2 m <sup>3</sup>
Fire Fighting Foam:	3,480 gal	13.2 m <sup>3</sup>

Machinery

Main Engines (2):	Wartsila 6L26A		
Total HP:	5,430		
Propellers (2):	Wartsila CPP		
Kort Nozzles:	2		
Primary Generators (2):	370 kw	440 v	60 hz
Driven by:	Caterpillar 3408		
Secondary Generators (2):	1,230 kw	440 v	60 hz
Driven by:	Main Engine Shafts		
Emergency Generators (1):	60 kw	440 v	60 hz
Driven by:	Olympian GEP63		
Bow Thruster (2):	Kawasaki CPP Tunnel		
Driven by:	515 kW Electric Motor		
Total Thrust:	17.3 st	15.7 mt	
Stern Thruster (1):	Kawasaki CPP Tunnel		
Driven by:	515 kW Electric Motor		
Total Thrust:	8.6 st	7.8 mt	

Performance

(Approximate values assuming Ideal Conditions)

*Fuel Consumption Vs Speed*

Maximum:	21 m <sup>3</sup> /day (230 gph) @ 13 knots	
Cruising:	13 m <sup>3</sup> /day (140 gph) @ 12 knots	
Economical:	12 m <sup>3</sup> /day (130 gph) @ 11 knots	
Range @ 12 Knots:	18,800 nm	
Bollard Pull	75 st	68 mt

*Transfer Rates*

Fuel Oil:	440 gpm @ 250 ft	100 m <sup>3</sup> /h @ 75 m
Fresh Water:	440 gpm @ 250 ft	100 m <sup>3</sup> /h @ 75 m
Drill/Ballast Water:	440 gpm @ 250 ft	100 m <sup>3</sup> /h @ 75 m
Bulk:	29.4 cfm @ 180 ft	50 m <sup>3</sup> /h @ 56 m
Liquid Mud:	440 gpm @ 250 ft	100 m <sup>3</sup> /h @ 75 m

Tow/Anchor Handling

Winch:	ELECTRO-HYDRAULIC WATERFALL	
Model:	Brattvaag	
Line Pull:	150 mt	
Tow Wire:	1,200 m of 52 mm	
Work Wire:	1,200 m of 52 mm	
Pennant Reels (1):	1,200 m of 52 mm	
Shark Jaw:	1 in Karmfork Unit, 300MT	
Tow Pins:	2 in Karmfork Unit, 300MT	
Stern Roller:	3.5m X 1.6m; 250 mt SWL	

Deck Equip.

Anchors (2):	3505 lbs HHP	
Anchor Chain:	440 m of 38 mm chain per side	
Crane:	6 t @ 3 m	
Capstans (2):	5 t Brattvaag CMC 2205 (15m/min)	
Tugger (2):	10 t Brattvaag (15m/min)	

Nav/Comms Equip.

Radar(s):	2	
Depth Sounder:	1	
Gyro Compass:	3	
Doppler Log:	1	
Radio:	2 x VHF	
Sat Com:	1x Inmarsat-C	

Accommodations

N <sup>o</sup> of Berths:	42		
	1-man cabins: 4	2-man cabins: 3	4-man cabins: 8
Certified to Carry:	42		
Galley seating:	40		
Hospital:	Yes		

Special Equip.

Firefighting:	FiFi-1	
Dynamic Positioning:	Kongs SDP-21	
Ref. Systems:	3x MRU; 2x DGPS 1x Laser-based	
Water Maker:	2x5T/Day	
Mud Circulation System:	Yes	
Rescue Boat:	6 Man SOLAS Approved	

Registration

Flag:	VANUATU	
IMO N <sup>o</sup> :	9316270	
Year Built:	2004	
Builder:	JAYA SHIPBUILDING	
Call Sign:	YJUL6	
Tonnage (ITC):	1951 GT	585 NT