

## Toisa Crest

### Type AP416 - ROV Support and Platform Supply Vessel

#### OUTLINE SPECIFICATION / DATA SHEET



#### GENERAL

Builder / Year	Appledore, UK / 1999
Flag / POR	British / London
Class	Lloyds Register of Shipping +100A1, Offshore Supply Vessel, IWS, + LMC, UMS, DP(AA). With Intact & Damage Stability according to IMO Resolution A.469 (XII)

Gross tonnage	2,401
Nett tonnage	966
Deadweight (summer)	3,248 tonnes

#### DIMENSIONS

Length OA	73.80 m
Breadth mid.	16.00 m
Draught (summer)	6.30 m

#### SPEED

Service speed	abt. 10-12 knots
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#### CARGO DECK

Sheathed deck area	50.0 m x 13.5 m = 675 m <sup>2</sup>
Deck strength	5 tonnes / m <sup>2</sup>
Deck load	1,500 tonnes

#### CARGO CAPACITIES

	Approx. at 100%
Fuel oil cargo	1,007 m <sup>3</sup>
Potable water	711 m <sup>3</sup>
Drill water	520 m <sup>3</sup>
Dry bulk @ 80 psi.	4 x 51.0 m <sup>3</sup> = 204 m <sup>3</sup> (7,204 ft <sup>3</sup> )
Liquid mud @ 2.8 sg	545 m <sup>3</sup> - (3,428 bbls)
Brine @ 2.8 sg	528 m <sup>3</sup> - (3,321 bbls)
Base oil	95 m <sup>3</sup> - (597 bbls)

#### CARGO PUMPING

Fuel oil cargo	1 x 200 m <sup>3</sup> /hr @ 9 bar
Potable water	1 x 150 m <sup>3</sup> /hr @ 9 bar
Drill water	1 x 150 m <sup>3</sup> /hr @ 9 bar
Dry bulk compressors	2 x 30 m <sup>3</sup> /m @ 80 psi
Liquid mud	2 x 75 m <sup>3</sup> /hr @ 21 bar
Brine	1 x 75 m <sup>3</sup> /hr @ 21 bar
Base oil	1 x 100 m <sup>3</sup> /hr @ 9 bar

#### DP2 SYSTEM

DP / Joystick Control	IMO Class 2 DP System - Kongsberg
Reference Systems	K-Pos DP-21
Transponder Deployment	2 x Seatex DGPS
Joystick Control	HiPAP
	"A" Frame + 3,000 m Winch
	Simrad SJS11

#### PROPULSION

Two Wärtsilä 6L26 marine diesel engines each developing 2,614 BHP @ 1,000 rpm each driving 1,500 kW shaft alternator and CP propeller	
Total developed power	3,900 kW (5,228 BHP)

#### GENERATORS

440 / 3 / 60	
Shaft alternator	2 x 1,500 kW
Main alternators	2 x 276 kW
Emergency alternator	1 x 160 kW

#### THRUSTERS

Forward tunnels	2 x 590 kW
Aft tunnels	2 x 590 kW

#### DECK MACHINERY

Deck/stores crane	6 tonnes double fall, with 3 tonne winch
	6 tonnes @ 7 m radius
	3 tonnes @ 12 m radius
Windlass (Split P & S)	2.65 tonnes @ 13.6 m radius
	2 x 22t hyd.
Tugger winches	2 x 10t hyd.
Capstans	2 x 10t hyd.

#### ACCOMMODATION

Wheelhouse and accommodation fully air conditioned	
Single berth cabins	2 suites + 5 en-suite
Two berth cabins	16 cabins
Hospital	1 berth
Complement	40 persons

#### STABILISATION

Two passive roll reduction stabilisation tanks	
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