

LAMNALCO CURLEW



General

Vessel type	Multipurpose Anchor Handling FiFi Terminal Tug
Year Built/ Builder	2005, ABG Shipyard Limited
Classification	BV1+Hull Mach Tug Anchor Handling Firefighting Ship 1 waterspray unrestricted navigation
Flag	Cyprus

Call Sign	C4CY2
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IMO Number	9327944
GRT/NRT	906/ 271
Deadweight	716 m/t

Dimensions

LOA x Beam x Depth Mld.	47.40m x 12.60m x 5.75m
Design Draft	4.50m

Cargo Deck

Clear Cargo Deck aft	200m ²
Deck Cargo	200 tonnes

Cargo Capacities

Fuel Oil	410m ³ @ 100% cap.
Fresh Water	280m ³ @ 100% cap.
Ballast	67m ³
Fuel Transfer	70m ³ /hr @ 50m head
Fuel Oil Meter	Fitted

Fresh Water Transfer
Refrigerated Storage

70m³/hr @ 50m head
Freezer/Chiller 2 x 8m³

Propulsion Machinery

Main Engines
Total Power
Bollard Pull
Gearbox
Bow Thruster
Propellers

2 x Wartsila 6R 32 each developing an MCR of 2460 KW
6590 BHP
84 m/t
Reintjes
Diesel driven @ 5 tons thrust
Two stainless steel nozzles fitted with Lips four bladed controllable pitch propellers of about 2800mm dia.

Steering Gear

Two Rolls Royce electro-hydraulic rotary type units of 8 T-M total torque cap. At 2 x 45 deg. rudder angle.

Rudders
Generators

2 x Becker high lift flap rudders independently operated
2 x Volvo diesel generating sets, each rated approx. 300 KW 415V, 3 phase, 50 Hz, 0.8P.F. + 1 x 115 KW Harbour/ Emergency

Full Service Speed
Economical Speed
Endurance
Fuel Oil Purifier
Lube Oil Purifier

14.5 knots
11 knots
4800nm @ 12 knots
One electrical centrifugal, cap. About 1200 ltrs/hr
One electrical centrifugal c/w electric heater, cap. 500 ltrs/hr

Deck Equipment/ Mooring System

Aft Towing/ AH Winch

Electro-hydraulic waterfall double drum
200 tonnes brake capacity
100 tonnes line pull @ 5m/min, 20 tonnes @ 20m/min.
1000m of FSWR cable commensurate with BP of the vessel.

Spooling Gear
Fwd Winch

Only fitted on upper drum
Electro hydraulic
100 m/t brake capacity
10 m/t line pull @ 25 m/min.

Towing Pins & Sharkjaws

200m Nylon double Braided 60mm dia. @ 80t breaking strength
Karmoy closed top towing pins installed in centerline of main deck aft. The stopper to take 2" to 3" dia. wire and 1-1/4" to 3" dia chain. SWL 300 tonnes. Stopper have separate hydraulic power unit and remotely controlled from the cargo rail on main deck aft and from wheelhouse aft.

Tugger Winch/ Capstan

Two electro-hydraulic tugger winches, each of 10 tons at 15m/min. Each winch complete 1 rope drum capacity for 150m length wire 1 warping head speed @ light loads 30m/min.
Two electro-hydraulic capstans each of 5 tons at 15m/min., light load speed 30m/min.

Wire Storage Reels

1 x 10 tons @ 20m/min hydraulic wire storage reel with a drum capacity of 1000m length of tow wire fitted above the aft towing winch.

Stern Roller
Fendering

200 tons SWL, min. 4.5m length x 2.2m dia.
450mm x 450mm with the centre section on flat pusher bow 1.75m long. Longitudinal side rubber D fenders of 300mm x 300mm fitted to the hull starting from abreast of the forward end of the wheelhouse. Both sets held with galvanised steel pins of min. 40mm dia. for fwd and 30mm dia. for side fenders secured with a welded washer on the bottom side.
20 large Earth mover tyres of min dia. 2m fitted forward and 30 Aircraft tyres fitted from aft to fwd held in place by four 19mm dia. galvanized stainless steel chains and 19mm dia. shackles attached to securing lugs welding to the hull.

Crane	One electro-hydraulic stiff-boom on the port side with 3t @ 14m radius (min).
Anchor Windlass	6t @ 10m/min.
Anchor Chain	2 x high holding power, each 780 kg. AC-14, totally recessed
Mooring Lines	550m x 34mm dia., grade U2, high strength steel 4 x 100m long mooring ropes of 64mm dia.

Navigation/ Communication Equipment

GMDSS	Fitted for area 3
Radar(s)	2 meeting SOLAS & GMDSS, 1 ARPA with identifying transponders 1 daylight unit
Radio(s)	VHF SSB 2 nos. 25w remote handsets Fitted.
Gyro-Compasses	1 master fitted with 3 gyro repeaters positioned 1 centrally located in wheelhouse forward steering station, 1 aft steering station, 1 outside of wheelhouse.
Autopilot	Compatible and interfaced with gyro and steering compass
Magnetic Compass	7 inch reflector type c/w correction magnet, quadrant balls and reflector tube and compass binnacle, Azimuth device. Spare compass as per SOLAS requirements
Other Navigation Equipment	1 DGPS navigator, 1 Echo sounder, 3 Walkie talkie c/w spare battery and charges, 1 Navtex Receiver, 1 DSC watch keeping receiver, Inmarsat "B" station with voice, fax & email facility, 1 speed log system

Accommodation

Fully air conditioned	Total no. berths 18
2 x 1 berth cabin, 8 x 2 berth cabins	2 men, 16 men
1 x office fitted with computer	

Fire/ Lifesaving Equipment

Off Ship Fire Fighting	2 units seawater pump each 1500m ³ /hr @ 14 kg/cm ²
No. of Monitors	2 units @ 1200m ³ /hr foam/water remote controlled
On Ship Safety	Fire fighting to meet SOLAS requirements
Liferafts	4 x 15 men to SOLAS approved.
Lifesaving	To meet SOLAS requirements
EPIRB & Radar Transponder	Fitted
Rescue Boat	1 no. 9 man, 1 no. x 50 HP outboard, 1 spare outboard
Launching davit	Approved davit
Rescue Zones	Port & Stb @ 3m

Anti Pollution Equipment

Dispersant System	2 x 8m spray booms fitted on the main deck port & starboard. Booms fitted with min. 6 spray nozzles each. An electrically driven combination pump capable of pumping sea water and dispersant used for pumping the mix through the booms.
Bilge Holding Tank	5m ³
Sewage Holding Tank	6m ³
Dirty Oil Tank	5m ³
Dispersant Tank	20m ³ minimum stainless steel
Foam Tank	20m ³ minimum
Oil Recovery System	1 electrically driven horizontal gear pump of 50m ³ /hr cap. @ 50m head.

Additional Features

Pilot Boarding Platforms	Fitted both sides
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Navigation Lights Mast
Sewage Treatment Plant
Searchlights
Watermaker
Joystick Control

Dual lens, 24V D.C. x 40 watt
Fitted, suitable for 20 men to comply with MARPOL
Twin 2000 watts
1 No. of 3 tons p/d capacity
Lipstick unit fitted on FWD & AFT controls complete with heading
hold feature

Hose splitting sump on deck connected to recovered oil tanks
Air conditioned workshops
Air conditioned control room

23/07/04