

AHTS - Emergency Response Vessel



The anchor handling tug supply vessel is specially modified to serve as a dedicated emergency towage vessel (ETV). It is uniquely designed for emergency towage tasks, ready to respond to maritime casualties as directed.

This vessel is particularly suited for emergency towage due to its bollard pull of 82 tonnes. It is also equipped to handle other maritime incidents, such as search and rescue operations and mitigating the effects of ship-sourced pollution, and carries oil pollution response equipment. Additionally, while patrolling its designated areas, the ETV is engaged for approximately 100 days each year in maintaining the aids to navigation network

Technical Specifications

Crew

- Deck officers: 3
- Engineering officers: 3
- Integrated ratings: 4
- Cook: 1

Dimensions

- Length overall: 60.5 metres
- Length BP: 54.3 metres
- Breadth, moulded: 15.8 metres
- Design draft: 5.0 metres
- Net registered tonnage: 583 tonnes
- Gross tonnage: 1,945 tonnes

Performance

- Speed: 13.8 knots
- Fuel consumption:
 - max speed 13.8 knots at 25 tonnes per 24 hours
 - optimal speed 10 knots at 9 tonnes per 24 hours

Towing and anchor handling

- Bollard pull: 82 tonne
- Load capacity: 150 tonne line pull
- Brake capacity: 200 tonne brake holding
- Towing equipment:
 - 2 x 1,000 metre 56 millimetre steel wire ropes
 - 2 x 40 metre Plasma pennants
 - 2 x 20 metre Dyneema pennants
 - 2 x 2 metre v-thane wire rope chafe sleeves
 - 2 x 88 millimetre akwaflex stretchers

Dynamic positioning

- Class designation: DPS-1
- DP system: Kongsberg Maritime K-Pos DP-11

Anti-pollution

- Dispersant spray system: Boatspray 200DF-TS with AFEDO nozzles
- Skimmer: 1 x Lamor LWS500 skimmer with Lamor brush adaptor, GTA50 pump & LPP58D power pack
- Boom: 300m of high sprint 1200 boom

Machinery

- Azimuth thrusters: 2 x Niigata 8L28HX 2353 kilowatts @ 750 RPM, fixed pitch propeller
- Generators:
 - Main generators: 3 x Caterpillar C18, 440 volt, 3 phase, 60 hertz, 550 kilowatt
 - Emergency generator: 1 x 440 volt, 3 phase, 60 hertz, 88 kilowatt
 - Bow thrusters: 2 x variable pitch 515 kilowatt
- UMS Certified

External fire fighting

- Survey designation: fire fighting vessel class 1
- Capacity: 2400 cubic metre/hour
- Monitors: 2 x monitors
- Throw length: 160 metres

Capacities

- Clear deck area: 370 square metre
- Deck cargo: 350 tonne
- Deck loading: 7 tonne/square metre
- Potable water: 300 cubic metre
- Fuel: 570 cubic metre
- Liquid mud: 500 cubic metre

Electronics

- Main radar: Furuno FAR-2117
- DGPS: Furuno GP150
- Auxillary radar: Furuno FR-8062
- ECDIS: Furuno FMD 3200 BB
- Auto pilot: NAVITRON NT888G
- Gyro compass: 2 x Simard GC-80
- Echo sounder: Furuno FE-700
- Speed log: Furuno DS-60
 - Iridium pilot system (128 kilobits per second connection)
- VHF: 2 x Furuno FM8900S
- Communications: MF: Furuno FS2575
- GMDSS: furuno RC-1800T
- Aviation Radio: 1 x ICOM A110
- Inmarsat C: Furuno Felcom 18
- Voyage data recorder: TOTEM Plus PMC 1.1
- SART: 2 x McMurdo S4 rescue SART
- EPIRB: McMurdo SMARTFIND E5
- VSAT Satellite communications system with FBB backup

Technical Specifications

Accommodation

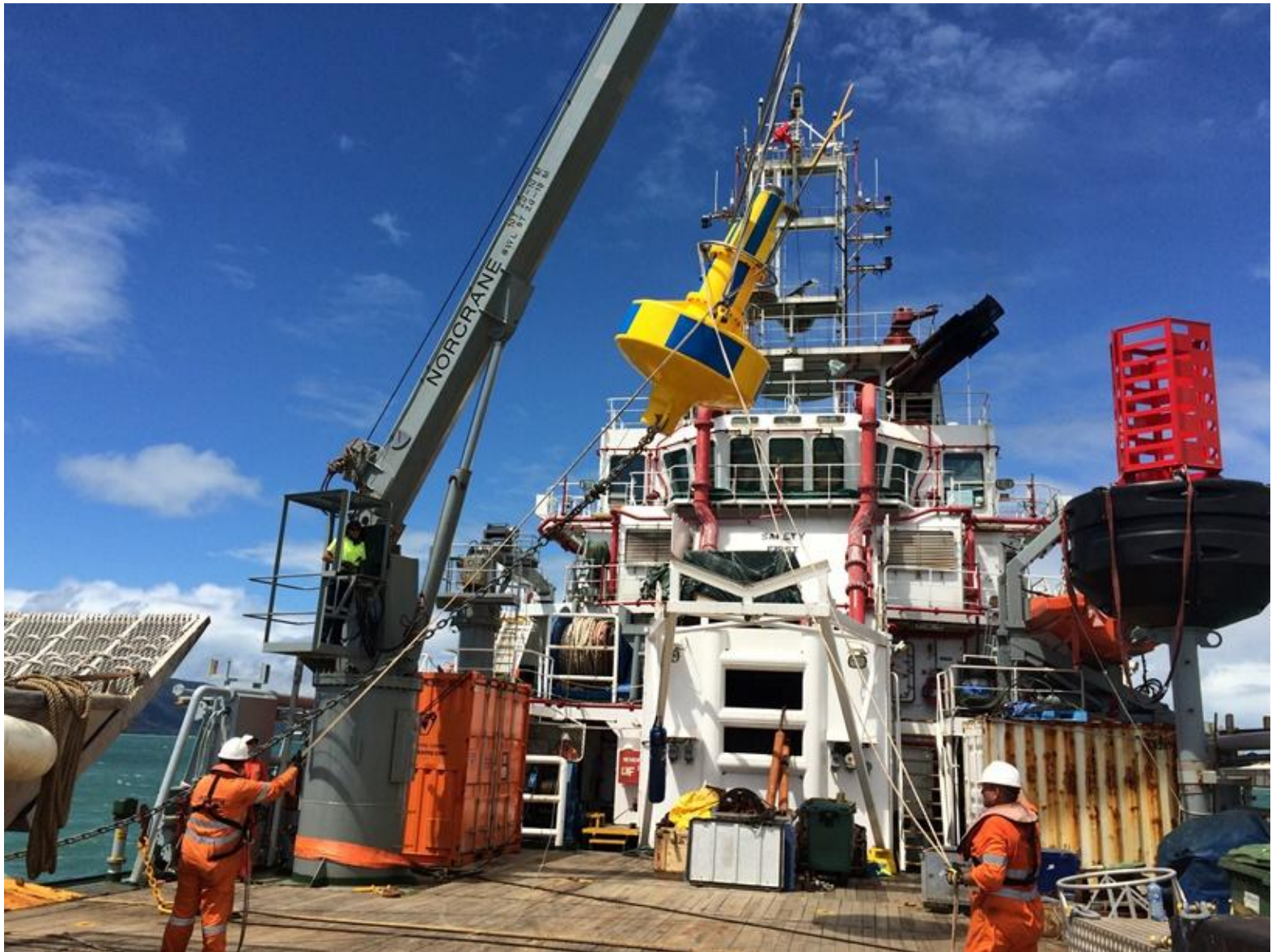
- Cabins:
 - 6 x single berth cabins
 - 4 x twin berth cabins
 - 7 x quad berth cabins
 - Total berths: 42

Additional equipment

- Deck Crane: 12 tonne Norcrane knuckle boom
- Rescue boat: Norsafe 7.5 m fast rescue craft
- Workboat: 10 metre landing craft workboat, 2 x 150 horsepower outboards, survey class 2C
- Buoys: 1 x emergency wreck marker buoy



Gallery



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