



AZIMUTH STERN DRIVE TUG 2913

“DANIMARCA”

GENERAL

| | |
|-----------------|---|
| Yard number | 513114 |
| Delivery date | June 2017 |
| Basic functions | Harbour and coastal berthing, offshore towing, fire-fighting and oil recovery operations |
| Classification | Bureau Veritas I ✱ HULL • MACH Escort Tug Unrestricted Navigation AUT UMS IWS Fire Fighting 1 Water spray Oil Recovery Ship – Second Line – Supply Vessel – Oil Product (flame point above 60 degrees) |
| Flag | Italy |
| Owner | Rimorchiatori Riuniti Porto di Genova S.r.l. |

DIMENSIONS

| | |
|--|---------|
| Length overall | 29.10 m |
| Beam overall | 13.23 m |
| Depth at sides | 5.35 m |
| Draught aft | 5.78 m |
| Draught aft incl. double hull tanks | 6.04 m |
| Displacement (98% consumables) | 754 t |
| Displacement (98% consumables) incl. double hull tanks | 820 t |

TANK CAPACITIES

| | |
|--|----------------------|
| Fuel oil | 96.4 m ³ |
| *Fuel oil (incl. header tanks and double hull tanks) | 174.2 m ³ |
| Fresh water | 33.5 m ³ |
| Sewage | 5.3 m ³ |
| Lubrication oil | 4.6 m ³ |
| Hydraulic oil | 0.36 m ³ |
| Dirty oil | 2.8 m ³ |
| Sludge | 2.4 m ³ |
| Bilge water | 5.2 m ³ |
| Foam | 9.3 m ³ |
| Dispersant | 6.2 m ³ |
| Oil recovery | 77.8 m ³ |

* Double hull tanks used for fuel oil or oil recovery

PERFORMANCES

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|---------------------|---------|
| Bollard pull ahead | 82.6 t |
| Bollard pull astern | 75.7 t |
| Speed ahead | 13.5 kn |
| Speed astern | 13.2 kn |

PROPULSION SYSTEM

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|--------------------|---------------------------------|
| Main engines | 2x Caterpillar 3516C TA HD/D |
| Total power | 5050 bkW (6772 bhp) at 1800 rpm |
| Thrusters | 2x Rolls Royce US 255 P30 FP |
| Slipping clutches | Rolls Royce “built in” type |
| Propeller | 2800 mm |
| Forced ventilation | 40.000 m ³ /h |

AUXILIARY EQUIPMENT

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|--------------------------|---|
| Generator sets | 2x Caterpillar C7.1 TA, 230/400 V, 125 kVA, 50 Hz |
| General service pumps | 2x Sterling AKHA 6101 each 34 m ³ /h |
| Fuel pumps | Sterling AKHA 5101 and AOHA 3101 |
| Fuel oil purifier | Westfalia OTC 3-02-137, 1740 l/h |
| Cooling system | Box cooling + anti-growth system |
| Fresh water pressure set | Sterling HBK 111 / AOHA 3101 |
| Hydraulic system | Double main engine driven pumps |
| Sewage treatment plant | Tecnicomar Ecomar 20 |
| Oil pollution control | Dispersant pump set with 2 spraybooms |
| Fifi set | Diesel driven pump 2800 m ³ /h |
| Fifi monitors | 2x 1200 m ³ /h, water/foam |

DECK LAY-OUT

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|------------------------|--|
| Anchor | 2x 495 kg Pool (High Holding Power) |
| Anchor/towing winch | Hydraulically driven two speed winch with double drum and warping head, pull 38 ton at 11.4 m/min, slack rope speed 35 m/min, 200 ton brake |
| Capstan | Electrically driven, 5 ton at 15 m/min |
| Crane + winch on crane | Heila HLM 20-3S, 1.7 ton at 10.56 m + MW 22, 2000 kg |
| Towing hook fore + aft | Mampaey, disc type 100 ton |
| Aft winch | Hydraulically driven single drum two speed winch with spooling device, pull 38 ton at 12 m/min and slack rope speed at 38 m/min, 200 ton brake |
| Fendering | D-fender at sides, cylinder fender at transom corners, D-fender at stern, cylinder bow fender and W-block fender with waterspray |
| Rescue boat | 1x 4-meter inflatable rescue boat with 25 hp outboard engine + rescue boat davit |

ACCOMMODATION

For 10 persons, insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. With 6 cabins, galley, mess/dayroom, switchboard room, dry store, changing room, engineer’s workshop and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

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|---------------------|-------------------------------------|
| Searchlights | 2x Norselight 2000 W |
| Radar system | Furuno FAR-2117 with 19" LCD screen |
| Speedlog | Furuno DS-80 |
| Compass | Magnetic Kotter |
| Autopilot | Simrad AP-70 |
| Gyro compass | Anschutz Standard 22 |
| DGPS | Furuno GP-170D |
| Echosounder | Furuno FE-800 |
| VHF | 2x Sailor Compact 6222, 25 W |
| VHF hand-held | 2x Jotron Tron TR-20 |
| SSB | Furuno FS-1575 |
| LRIT | Furuno Felcom 19 |
| Navtex | Furuno NX-700A |
| AIS | Furuno FA-150 |
| EPIRB | Jotron Tron-60S |
| Sart | Jotron Tronsart20 |
| Anemometer | Windsonic OMC 115 |
| Emergency telegraph | Eekels TG-1 |

DAMEN

