



CONSTRUCTION / CLASSIFICATION

| | | |
|----------------------|---|---------|
| Year of construction | 2008 | |
| Classification | Lloyd's Register ✕ 100 A1 TUG ✕ LMC, UMS, unrestricted service | |
| IMO number | Union Topaz | 9406427 |
| | Union Onyx | 9406415 |

FEATURES

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| Air-conditioned accommodation for 9 persons |
| Bunker capacity: potable water 30 m ³ , fuel oil 185 m ³ |
| Crane 4T SWL. @ 2 m. outreach |

DECK EQUIPMENT

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|------------|--|
| Fore winch | Hydraulic Double drum - 130 t brake load Line pull 44 t @ 10 m/min. on 1 st layer |
| Aft winch | Hydraulic Split drum - 130 t brake load Line pull 44 t. @ 10 m/min. on 1 st layer |

ARTICOUPLE SYSTEM

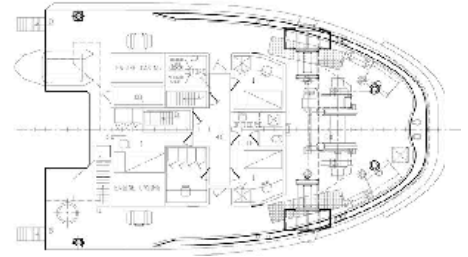
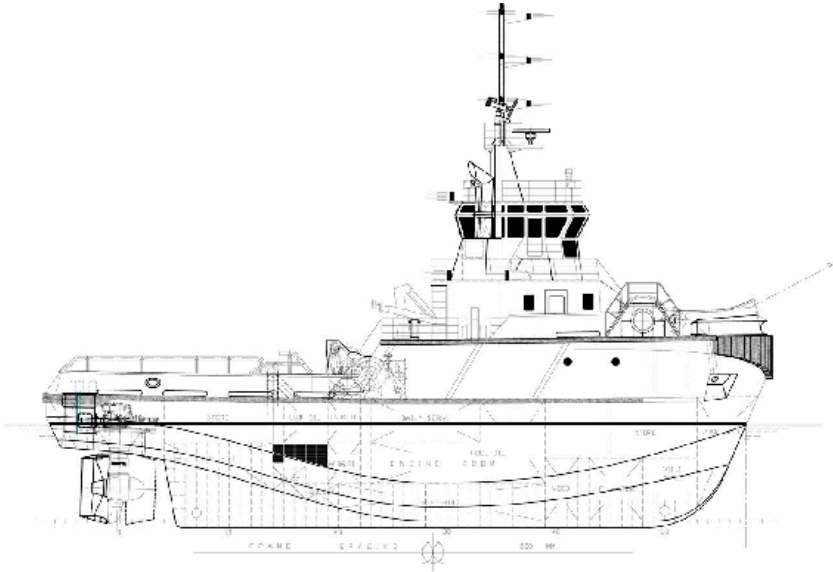
Equipped with Articouple system to push barges Terraferre 501/502. Please refer to the Terraferre 501/502 equipment sheet for additional specifications.

MAIN DATA

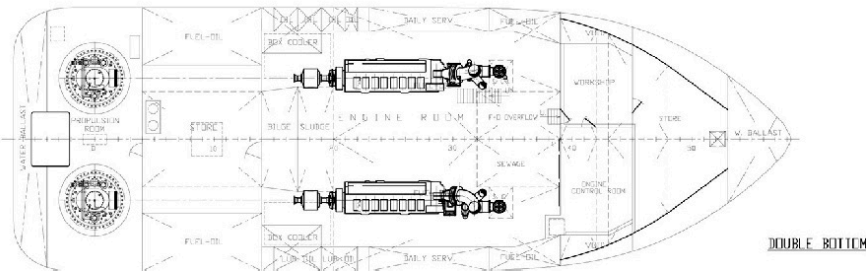
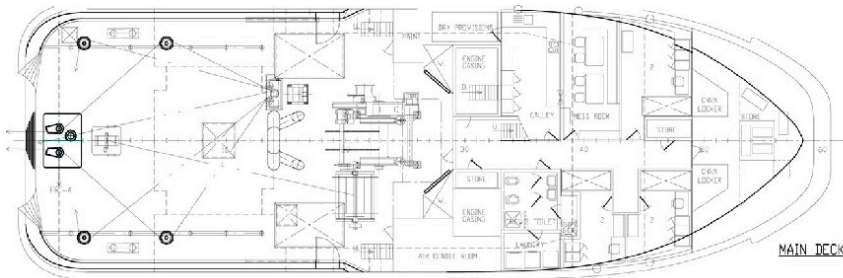
| | |
|------------------------|-------------------------------|
| Gross tonnage | 493 GT |
| Length overall | 33.00 m |
| Beam overall | 11.00 m |
| Min. draught | 4.40 m |
| Main engines | 2 x ABC 8MDZC 4 |
| Total power | 3,700 kW |
| Propulsion | 2 x fixed pitch ASD propeller |
| Bollard pull (ahead) | 65 t |
| Bollard pull (astern) | 62 t |
| Speed ahead (max.) | 13 kn |
| Speed ahead (economic) | 10 kn |

NAVIGATION AND COMMUNICATION EQUIPMENT

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|------------------|----------------------------|
| Magnetic compass | Cassens & Plath Observator |
| Echo sounder | Skipper GDS-101 |
| VHF | Sailor RT-5022 |
| Radar | Furuno Far-28x7 |
| GPS | Furuno GP-32 |



SIDE VIEW



TOP VIEW DECK LEVEL