

# EQUIPMENT SHEET

**UNION TOPAZ - UNION ONYX**  
TUG



## 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

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

## DECK EQUIPMENT

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

## ARTICOUPLE SYSTEM

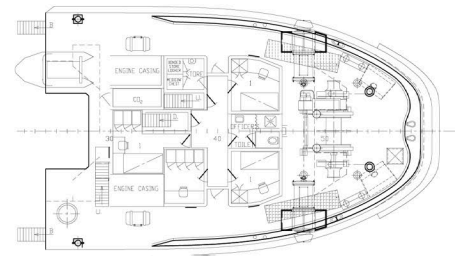
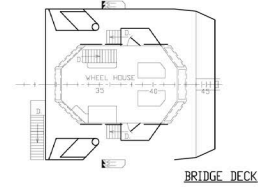
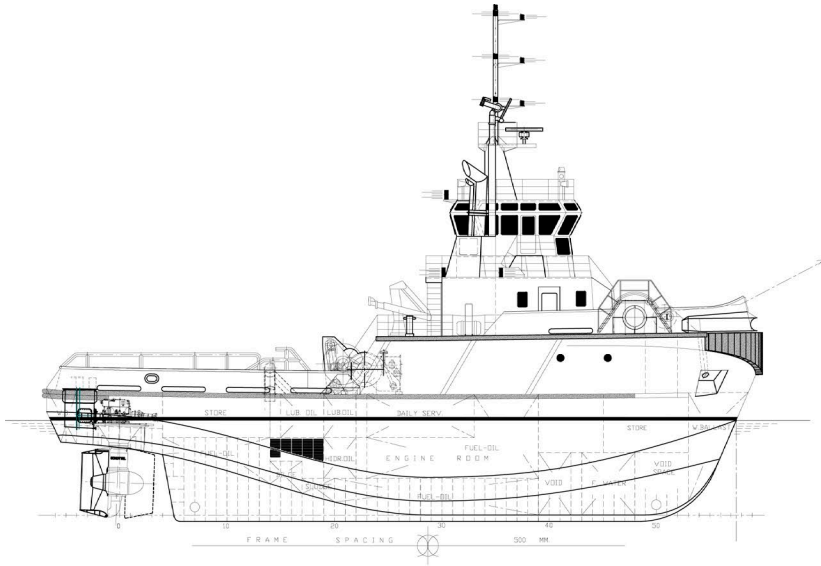
Equipped with Articouple system to push barges Terraferre 501/502. Please refer to the Terraferre 501/502 equipment sheet for additional specifications.

## MAIN DATA

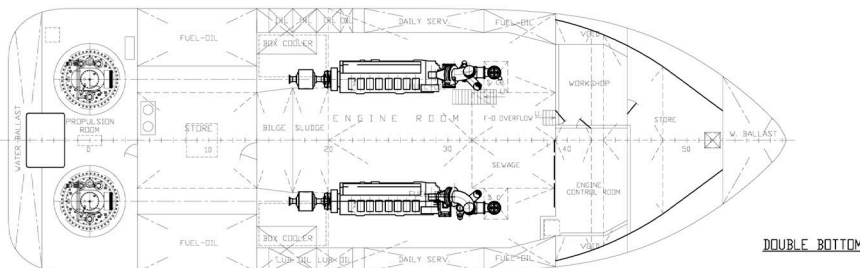
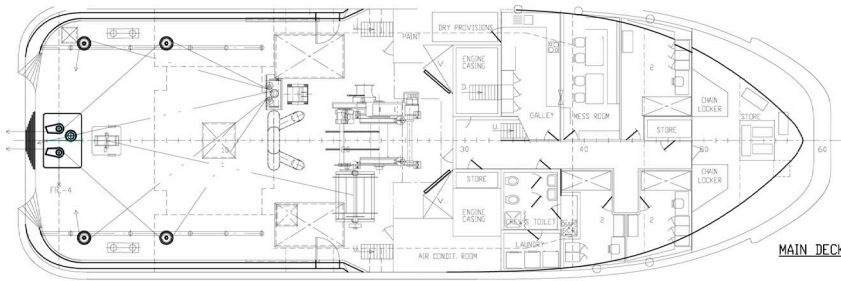
Gross tonnage	493
Length overall	33.00 m
Beam overall	11.00 m
Min. draught	4.40 m
Main engines	2 x ABC 8MDZC 4
Total power	3,700 kW
Propulsion	2 x fixed pitch ASD propeller
Bollard pull (ahead)	65 t
Bollard pull (astern)	62 t
Speed ahead (max.)	13 kn
Speed ahead (economic)	10 kn

## NAVIGATION AND COMMUNICATION EQUIPMENT

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



**SIDE VIEW**



**TOP VIEW DECK LEVEL**

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