



CONSTRUCTION / CLASSIFICATION

Year of construction	2008	
Classification	Bureau Veritas ✕ HULL ✕ MACH Tug Unrestricted navigation ✕ AUT-UMS, INWATERSURVEY	
IMO number	Union Topaz	9406427
	Union Onyx	9406415

FEATURES

Air-conditioned accommodation for 9 persons
Bunker capacity: potable water 30 m ³ , fuel oil 185 m ³
Crane 0.5T SWL @ 10 m. outreach

DECK EQUIPMENT

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

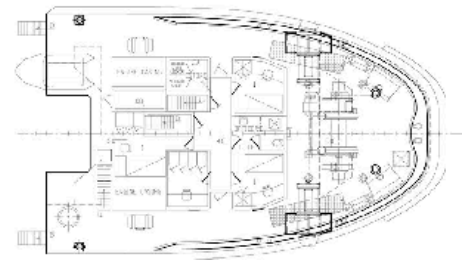
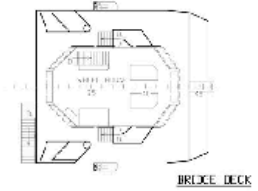
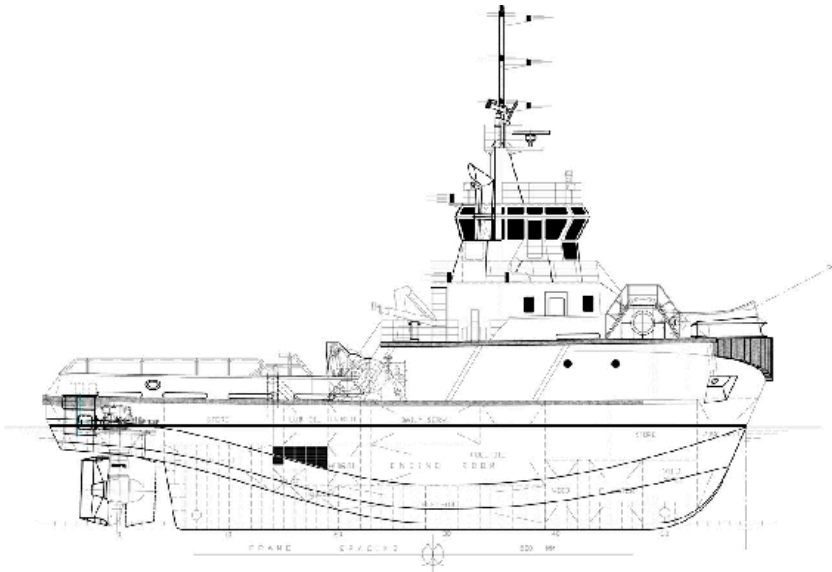
Equipped with Articouple system to push barges Terraferre 501/502. Please refer to the Terraferre 501/502 equipment sheet for additional specifications.

MAIN DATA

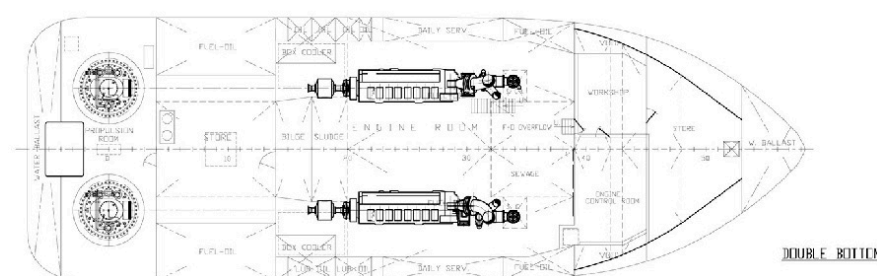
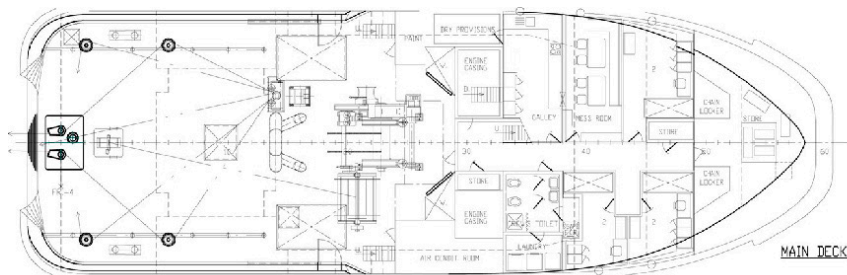
Gross tonnage	493 GT
Length overall	33.00 m
Beam overall	11.00 m
Max. draught	5.30 m
Main engines	2x ABC 8MDZC 4
Total power	3,700 kW
Propulsion	2x fixed pitch ASD propeller
Bollard pull (ahead)	65 t
Bollard pull (astern)	62 t
Speed ahead (max.)	13 kn
Speed ahead (economic)	10 kn

NAVIGATION AND COMMUNICATION EQUIPMENT

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



SIDE VIEW



TOP VIEW DECK LEVEL