AZIMUTH STERN DRIVE TUG 2810
“FARUL”

GENERAL
Yard number 513513
Delivery date May 2018
Basic functions Towing, mooring and fire-fighting operations
Classification Bureau Veritas
Hull MACH Tug Unrestricted
Navigation AUT UMS IWS Fire Fighting
Ship 1
Flag Romania
Owner Administratia Fluviala a Dunarii de Jos R.A.

DIMENSIONS
Length overall 28.67 m
Beam overall 10.43 m
Depth at sides 4.80 m
Draught aft 4.80 m
Displacement (approx.) 525 t

TANK CAPACITIES
Fuel oil 72.2 m³
Fresh water 16.8 m³
Foam 4.7 m³
Lubrication oil 9.2 m³
Hydraulic oil 0.36 m³
Dirty oil 3.1 m³
Sewage 8.8 m³
Bilge water 5.2 m³

PERFORMANCES
Bollard pull ahead 62.4 t
Bollard pull astern 57.7 t
Speed ahead 13.8 kn
Speed astern 13.7 kn

PROPELLER SYSTEM
Main engines 2x Caterpillar 3516C TA HD/C
Total power 3730 kW (5000 bhp) at 1600 rpm
Azimuth thrusters 2x Rolls Royce US 205
Propeller diameter 2.40 m
Forced ventilation 55 000 m³/h

AUXILIARY EQUIPMENT
Generator sets 2x Caterpillar C4.4 TA, 230/400 V, 107 kVA, 50 Hz
General service pumps 2x Sterling AKHA 5101 each 20 m³/h
Fuel pumps Sterling AKHA 4101 and AKHA 3101
Cooling system Box cooling + anti-growth system
Fresh water pressure set Sterling HBK 111 / AOHA 1202
Fuel oil purifier Westfalia OTC 2-02-137
Hydraulic system Two main engine driven pumps
Fire set Diesel driven pump 2400 m³/h
Fire monitor 2x 1200 m³/h, water/foam

DECK LAY-OUT
Anchor 2x 360 kg Pool (High Holding Power)
Anchor/towing winch Hydraulically driven two speed winch with split drum and warping head, pull 35 tons at 9.2 m/min, slack rope speed up to 28 m/min, 150 tons brake
Towing winch aft Hydraulically driven two speed winch with spooling device and warping head, pull 35 tons at 9.2 m/min, reduced pull up to 27.6 m/min, 150 tons brake
Capstan Electrically driven, 5 ton at 15 m/min
Towing hook SWL 65 ton
Crane Heila HLM 10-3S 0.8 ton at 10.36 m
Fendering D-fender at sides, cylinder fender at transom corners, cylinder and W-block bow fender with waterspray
Workboat 1x 4-meter inflatable workboat with 25 hp outboard engine

ACCOMMODATION
For 7 persons, insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. Captain’s cabin, chief engineer's cabin, one single and two double crew cabins, galley, mess/dayroom, dry store and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT
Searchlights 2x Norselight, 2000 W
Radar system Furuno FAR 2117 with 19 inch screen
Compass Cassens & Plath, type Kotter
Autopilot Simrad AP-70
GPS Furuno GP-170
Echosounder Furuno FE-800
VHF radio telephone 2x Sailor Compact 6222 (one with DSC)
VHF hand-held 2x Jotron Tron TR-20
Navtex Furuno NX 700A
AIS Furuno FA-150
SSB Furuno FS-1575
EPIRB Jotron Tron-60S
Sart Jotron Tron Sart
Anemometer Observator Windsonic OMC 115
Rate of turn indicator Sigma 300
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