GENERAL
Yard number 513504
Delivery date January 2018
Basic functions Towing and mooring operations
Classification Bureau Veritas
I X HULL MACH Tug Unrestricted
Navigation AUT UMS IWS
Flag The Netherlands
Owner Iskes Towage & Salvage

DIMENSIONS
Length overall 28.67 m
Beam overall 10.43 m
Depth at sides 4.60 m
Draft aft 4.62 m
Displacement 515 t

TANK CAPACITIES
Fuel oil 72.3 m³
Fresh water 16.6 m³
Lubrication oil 9.0 m³
Dirty oil 3.2 m³
Hydraulic oil 0.36 m³
Sewage 2.2 m³
Sludge 3.1 m³
Bilge water 5.1 m³

PERFORMANCES
Bollard pull ahead 61.4 t
Bollard pull astern 57.4 t
Speed ahead 13.8 kn
Speed astern 13.9 kn

PROPULSION SYSTEM
Main engines 2x Caterpillar 3516C TA HD/C
Total power 3730 bhp (5000 bhp) at 1600 rpm
Azimuth thrusters 2x Rolls Royce US 205
Propeller diameter 2450 mm
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
Fuel oil purifier Westfalia QTC 2-02-137
Cooling system Box cooling + anti-growth system
Fresh water pressure set Sterling HBK 111 / AKHA 1202
Hydraulic system Two main engine driven pumps

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 ton at 9.2 m/min, slack rope speed up to 28 m/min, 150 ton brake
Capstan Electrically driven, 5 ton at 15 m/min
Towing hook aft SWL 65 ton
Fendering D-fender at sides, cylinder fender at transom corners, cylinder and W-block bow fender with waterspray

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 Pesch 1000 W
Radar system Furuno FAR 2117 with 19 inch screen + chartplotter
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
UHF radio telephone 1x Motorola GM360 + 2x Motorola DP4401 EX
Navtex Furuno NX-700A
AIS Furuno FA-150
SSB Furuno FS-1575
EPIRB Jotron Tron-60S
Sart Jotron Tronars20

AZIMUTH STERN DRIVE TUG 2810
“PHOENIX”