CRANE BARGE 4518
Multi-role working barge

GENERAL
Yard number 522057
Delivery date May 2017
Basic functions Heavy lift, piling, grab operations, harbour construction works
Operational area Coastal waters, harbours
Classification Bureau Veritas: I* HULL, MACH, Special Service – Crane Barge, Assisted propulsion, Coastal areas

DIMENSIONS
Length o.a. 45.15 m
Beam o.a. 18.60 m
Depth at sides 3.80 m
Draught design 2.20 m
Deadweight max. 558 ton
Deck strength 15 ton/m²
Draught design 2.20 m

TANK CAPACITIES
Fuel oil 131 m³
Fresh water 40 m³
Sewage 36 m³
Dirty oil / Sludge 8 m³
Bilge water 27 m³
Water ballast 1.461 m³

CRANE PERFORMANCE
Make and type Liebherr HS 8300 HD
Operation Prepared for Grab
Boom length 50 m
SWL grab operation 20 ton @ 9-34 m (excl. grab)
SWL hook operation 140 ton @ 9 m
Main winch 50 ton free fall
Rope speed 0-125 m/min
Boom up 130 sec. from 15° to 84°
Diesel engine 725 kW

PROPULSION EQUIPMENT
Azimuth thrusters aft 2x Schottel NAV 200 deck mounted thrusters
Engines 2x CAT C18 ACERT 339 kW
Power each 339 kW – 1800 rpm
Propellers 1100 mm with nozzle
Steering 360 degrees

AUXILIARY EQUIPMENT
Main generator set 1x Caterpillar C9
Power 250 kVA / 200 kW, 400 V-50 Hz
Harbour generator 1 x Caterpillar C7.1 (parallel operation)
Power 139 kVA / 111 kW, 400 V-50 Hz
Anti-heeling system 1100 m³/h – 8 mwc

DECK LAY-OUT
Anchor system bow 1 Hydraulic winch with two chain lifters and 2 anchors
Anchor system stern 1 Hydraulic winch with anchor and cable
Mooring system 4 Hydraulic driven mooring winches, each 150 kN pull
Deck covering 150 m² fir wood
Fendering D-fenders (300 mm) all around
Life rafts 2 inflatable rafts for 12 persons
Life boat 1 Life boat with davit on SB
Grab equipment Remote controlled grabs both clamshell and finger type

ACCOMMODATION
Accommodation with galley, mess, provision store, laundry, office and cabins for a maximum of 10 persons, provided with ventilation, air conditioning and heating.

NAUTICAL AND COMMUNICATION EQUIPMENT
Navigation lighting and communication system according Classification.