GENERAL
YARD NUMBER
512916
DEVELOPMENT DATE
November 2015
Towing and mooring operations
Bureau Veritas
I • HULL • MACH Tug Unrestricted
Navigation AUT UMS
Incl. tonnage and loadline certificate
United Kingdom
Clyde Marine Services Ltd.

BASIC FUNCTIONS
Towing and mooring operations

CLASSIFICATION
Bureau Veritas
I
X
HULL • MACH Tug Unrestricted
Navigation AUT UMS
Incl. tonnage and loadline certificate

FLAG
United Kingdom

OWNER
Clyde Marine Services Ltd.

DIMENSIONS
LENGTH O.A.
22.73 m
BEAM O.A.
10.43 m
DEPTH AT SIDES
4.50 m
DRAUGHT AFT
4.59 m
DISPLACEMENT
384 ton

TANK CAPACITIES
FUEL OIL
62.1 m³
FRESH WATER
7.9 m³
SEWAGE
2.9 m³
DIRTY OIL
1.9 m³
LUBRICATION OIL
1.9 m³
BLG WATER
0.9 m³
LUB. OIL (AUXILIARIES)
0.9 m³

PERFORMANCES
BOLLARD PULL AHEAD
51.5 ton(m)
BOLLARD PULL ASTERN
47.1 ton(m)
SPEED AHEAD
12.7 knots
SPEED ASTERN
12.2 knots

PROPULSION SYSTEM
2x Caterpillar 3512C TA HD+ / C
3000 bkw (4023 bhp) at 1600 rpm
Rolls Royce US 205MK1
Rolls Royce "Built in" type
2000 mm
50,000 m³/hr

DAMEN ASD TUG® 2310
"CMS WARRIOR"

DELIVERY DATE
November 2015

AUXILIARY EQUIPMENT
GENERATOR SETS
2x Caterpillar C4.4T, 230/400 V, 64.5 kVA, 50 Hz
2x Sterling SIHI AKHA 5101, 20 m²/hr
2x Sterling SIHI AOHA 3101, 4.5 m³/hr
2x Coalesse filters incl. water separator
Box cooling + anti growth system
Double main engine driven pumps

FUEL PUMPS
2x Sterling SIHI AOHA 3101, 4.5 m³/hr

FUEL FILTERS
2x Coalester filters incl. water separator

COOLING SYSTEM
2x Sterling SIHI AOHA 3101, 4.5 m³/hr

HYDRAULIC SYSTEM

DECK LAY-OUT
ANCHORS
2x 360 kg Pool (High Holding Power)
Hydraulically driven split drum, pull 18 ton at 11 m/min
and slack rope at 33 m/min, 130 ton brake
Mampaey, SWL 650 kN

ANCHOR/TOWING WINCH
Cylindrical rubber bow fender above w-fender + tyre fendering, rubber fender at sides, cylindrical fenders aft

TOWING HOOK AFT
Ma

FENDERING

ACCOMMODATION
Accommodation for 6 persons, completely insulated and finished with durable modern linings, acoustical Dampa ceiling in the wheelhouse and floating floors.
Air-conditioned accommodation with 2 cabins above maindeck and 2 cabins below deck, galley/mess, sanitary facilities and switchboard room.

NAUTICAL AND COMMUNICATION EQUIPMENT
SEARCHLIGHT
Pesc 1000 W
Radar System
Furuno FAR 2117
COMPASS
Magnetic Kotter
AUTOPILOT
Simrad AP-70
GPS
Furuno GP-150
Echosounder
Furuno FE 700
VHF Radio Telephone
2x Sailor 6222, one with DSC
VHF Hand Held
2x Jotron, Tron TR-20
NAVTEX
Furuno NX-700
AIS
Furuno FA-150
DAMEN ASD TUG® 2310
"CMS WARRIOR"