



TWIN SCREW TUG BUILT 2002

Vessel Details

LOA	22,67 METRES
BREADTH	8,00 METRES
DEPTH	3,48 METRES
DRAUGHT	2,60 METRES
DISPLACEMENT	213,50
GRT	131,14
NRT	40
YEAR OF BUILD	2002
CLASS	ABS

Tank Capacity

FUEL	10197 US GALLONS
FRESH WATER	3000 US GALLONS
LUBE OIL	150 US GALLONS
HYDRAULIC OIL	55 US GALLONS
DIRTY OIL	342.14 US GALLONS
BALLAST WATER	4919 US GALLONS

Performance

SPEED	11,5 KNOTS
BOLLARD PULL	32 TONS
RANGE	2950 NAUTICAL MILES



Auxiliary Equipment

DEPTHMAIN GENERATORS	02 x MTU 6R099TA52B
TOTAL ELECTRIC POWER	102 KWS @ 1800 RPM - 440V/3/60 HZ
BILGE / FIRE FIGHTING - GENERAL SERVICES PUMP	02 X PENTAX CM-32 200C, 4.9 KWS @ 3450 RPM, 100-400 LTS/MIN, H = 27.6 MTS
FUEL PUMP	01 X STERLING SIHI, MODEL AOHA-3101, TYPE AA 0010A, 5 M3/HR, H= 21 MTS
SEWAGE TREATMENT OIL-WATER SEPARATOR	01 X MICROPHOR MC-100 01 X MICROPHOR HELI-SEP 500, 2.2 GLNS/ MIN, 30 PSI 01 X CHAMPION, CAP 110 LTS, 0.6 HP @3400 RPM
HYDROPHORE - SALT WATER SYSTEM	01 X DAB, MODEL JET 102M, 0.6 M3/HR, 04 HP
STEERING PUMPS AIR COMPRESSOR	02 X VICKERS, MODEL V10 1P5P-1C-20-F3 01 X SCHULZ MSV20, 566 LTS/MIN @ 1000 RPM

External Fire-Fighting Equipment

PUMP	02 X GORMANN RUPP, 360 M3/HR
MONITORS	02 X 108 PSI

Deck Equipment

ANCHORS	02 X 200 KGS
ANCHOR CHAIN	02 X 150 MTS, DIÁMETER 5/8"
WINDLASS	01, PUMP VICKERS, MODEL V20 1P7P 1C 11, 6.8 KWS @1750 RPM
TOWING HOOK	01 X MAMPAEY OFFSHORE, DCX130.045.000, SWL 45 TNS, TEST LOAD 90 TNS

Accommodation

MASTER	01 CABIN
ENGINEER	01 CABIN
CREW	02 CABINS (04 BEDS EACH)
AIR CONDITIONING	YES

Propulsion

MAIN ENGINES	02 x MTU 8V4000 M-60
TOTAL POWER	2,400 BHP @ 1800 RPM
REDUCTION GEAR	02 X REINTJESS WAF 572 (800 KWS) 6.41:1
PROPELLER	02 X FP PROPELLERS (RH)
PROPELLER DIAMETER	02 X 1835 MMS

Navigation and Communication Equipment

RADAR	01 X JRC, MODEL JMA-2253 ROSTER,
MAGNETIC COMPASS	01 X CASSENS & PLATH, MODELO 200MM
G.P.S.	01 X FURUNO GP-7000F C MAT NT
ECHOSOUNDER 1	01 X FURUNO, MODEL FCV268,
ECHOSOUNDER 2	01 X JRC, MODEL PLOT F500,
INTERCOM	01 X PHONTEC, MODEL CIS3101
VHF 1	01 X ICOM, MODEL IC-M302 SUBMERSIBLE
VHF 2 DSC	01 X ICOM, MODEL VIC-M304
HF	01 X IC-710M/F H/F
SEARCHLIGHT	02 X SEEMATZ
EPIRB	01 X ACR RLB-32

LIFERAFTS	02 X ZODIAC ZMED10 (06 PERSONS EACH)
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