GENERAL

YARD NUMBER: 509834
DELIVERY DATE: June 2009
BASIC FUNCTIONS: Towing, mooring and fire fighting operations
CLASSIFICATION: LR 100 A1 Tug LMC
FLAG: Croatia
OWNER: Jadranski Pomorski Servis, Croatia
BUILDING YARD NAME: Damex, Santiago de Cuba
COUNTRY: Cuba
DIMENSIONS:
LENGTH O.A.: 26.09 m
BEAM O.A.: 7.94 m
DEPTH AT SIDES: 4.05 m
DRAUGHT AFT: 3.96 m
DISPLACEMENT: 377 ton
TANK CAPACITIES:
FUEL OIL: 80.7 m³
FOAM: 5.9 m³
FRESH WATER: 12.2 m³
LUBRICATION OIL: 1.9 m³
WATER BALLAST: 19.4 m³
PERFORMANCES (TRIALS):
BOLLARD PULL: 50 ton (m)
SPEED: 12.8 knots

PROPULSION SYSTEM

MAIN ENGINES: 2x Caterpillar 3512 B TA HD/B
TOTAL POWER: 2610 bkW (3500 bhp) at 1600 rpm
GEARBOXES: Reintjes WAF 773L
PROPELLER: 2x Promarin fixed pitch propellers of 2350 mm diameter
NOZZLES: 2x Van de Giessen “Optima”
STEERING GEAR: Powered hydraulic, steering wheel fore ward, tillers fore and aft.

AUXILIARY EQUIPMENT

MAIN GENERATOR SETS: 2x Caterpillar C4.4 TA, 95 kVA, 440 V 60 Hz
BILGE PUMPS: 2x Sterling AKHA 5101 22m³/hr at 14 m.w.g.
BILGE WATER SEPARATOR: Facet CPS 2.5 MKIII, 0.5 m³/hr
COOLING SYSTEM: Closed cooling system
EXTERNAL FF1 ENGINE: Caterpillar 3406 T
EXTERNAL FF1 PUMP: Sterling Sihl 600m³/hr
HYDRAULIC SYSTEM: M.E. driven pumps

DECK LAY-OUT

ANCHORS: 2x 270 kg (High Holding Power)
CHAIN: 247.5 m, 17.5 mm diameter stud-link
ANCHOR WINCH: DMT electric 10 m/min, incl. warping head Mampaey Disc. type, 65 ton SWL
TOWING WINCH: Kraaivejeld, 20 ton at 10 m/min, slack rope speed 30 m/min.

ACCOMMODATION

Airconditioned accommodation for 8 persons. On main deck are situated: mess, galley, captain’s cabin and C.E. cabin. Below main deck three double crew cabins, sanitary space and a store are situated.

NAUTICAL AND COMMUNICATION EQUIPMENT

RADAR SYSTEM: Furuno FR-8062
AUTOPILOT: Simrad AP 50
GPS NAVIGATOR: Furuno GP-150
ECHOSOUNDER: Furuno LS 6100
VHF RADIO TELEPHONE: 2x Sailor RTS222 with DSC
SSB RADIO TELEPHONE: Furuno FS-1570 with DSC
NAVTEX: Furuno NX-700
INMARSATS: 2 x Furuno Felcom 15
AIS: Furuno FA-150