



"SMIT AMANDLA"

Deep Sea/Ocean-Going Tug



PURPOSE BUILT FOR RESCUE TOWAGE ON THE SOUTH AFRICAN COAST

SPECIFICATIONS

Classification	Lloyds + A1 Tug + LMC
Built	1976, Durban, South Africa
Flag	South African
Port of Registry	Cape Town

MAIN DIMENSIONS

Length OA	94,6 m
Breadth	15,8 m
Depth	8,6 m
Draught	7,52 m
GRT	2 899 T
NRT	870 T

NOTICE: The data contained herein is provided for convenience of reference to allow users to determine the suitability of the Company's equipment. The data may vary from the current condition of equipment which can only be determined by physical inspection. Company has exercised due diligence to ensure that the data contained herein is reasonably accurate. However, Company does not warrant the accuracy or completeness of the data. In no event shall Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.

PROPULSION

2 Mirrlees 16 KVR Major four-stroke diesel engines driving a single CPP in a fixed nozzle.

Main Engine Power Output: 14 317kW

Twin rudders and a 800 BHP bowthruster provide the necessary maneuverability.

SPEED

The maximum speed in excess of 20 knots enables fast mobilisation to a casualty.

BOLLARD PULL

181 tonnes

TOWING

Two friction winches, with static loads of 320T and 180T incorporating spooling winches storing 2 000m of 70mm and 56mm diameter wire towing hawsers respectively. The system also includes 2 (two) drum bridle winches and a comprehensive stock of wire pennants, chains, shackles, towing springs and a spare 70mm tow wire.

AUXILIARY ENGINES

2 x MAK (4M351AK) and 2 x MAK (8M281AK) generators delivering a total of 2600 KVA.

FUEL CONSUMPTION / ENDURANCE / RANGE				
Operation / Speed		Fuel Consumption	Endurance	Range
Running Free	Maximum Speed (20+ Knots)	42 Ton/day	38 days	18,240 Nm
	Economical Speed (13 to 15 Knots)	22.5 Ton/day	70 days	23,520 Nm
Towing	Oilfield Exploration / Rig Type Structure (4 to 5 Knots)	40 Ton/day	40 days	4,320 Nm
	Ship Shaped Structure eg FPSO (6 to 7 Knots)	40 Ton/day	40 days	6,240 Nm

NAVIGATION EQUIPMENT

Automatic pilot	AIS Furuno
2 x ARPA radars	Wind speed and direction indicator
Off-course alarm	VHF Direction Finder
Doppler speed log	Radio Direction Finder
Gyro & magnetic compasses	Echo sounder with depth alarm
2 x GPS Navigation systems	2 x (fwd and aft) Remote controlled search lights

ACCOMMODATION

Accommodation for a total of 38 Persons including : 28 Officers, Crew and 6 Cadets and a 4 berth sick bay in case of emergency medical treatment being required.

FIREFIGHTING EQUIPMENT

Fi-Fi equipment includes two fixed remotely operated water monitors capable of dispensing water at 600 m³/hour high above the water line. Capacity to equip 10 trained fire fighters with fully self-contained firemen's outfits and auxiliary fire-fighting equipment.

COMMUNICATION EQUIPMENT

Full GMDSS communications system : SAT-C (including telex), MF, HF and VHF. SAT-B (including voice, fax and data capabilities) weather facsimile receiver, fixed and portable VHF sets as well as telephone communications between all major control stations, public spaces and cabins on board.

ADDITIONAL FEATURES

Some of the additional features on board are:

- lifting equipment which includes 1 x hydraulic crane & smaller portable pneumatic hoists,
- a power supply capable of providing 1 500 kW at 440 AC to disabled vessels,
- 2 x fixed salvage air compressor of 410 and 960 m³/hour respectively; 1 x portable salvage air compressor of 200 m³/hour;
- a 110 HP workboat, a 20 HP lifeboat as well as 2 semi-rigid rubber boats with 40 HP outboards,
- an on board salvage store to cater for immediate rescue / salvage requirements including a range of portable salvage pumps and hoses.