



S/V "SCAPINO"

Ocean going 36.6m TUG/Supply Vessel Fi-Fi1

The vessel is suitable for operation in Unrestricted Service for Pushing, Towing, Anchor handling, External Fire-fighting, Supply and Antipollution

MAIN PARTICULARS:

LENGTH OVERALL	36,60 m
LENGTH WL	34,63 m
BEAM	11,20 m
DEPTH	5,50 m
LIGHT DRAFT	3,40 m
LOADED DRAFT	4,50 m
SUMMER FREEBOARD	1,00

CAPACITIES:

BALLAST	18,0 m ³
FUEL OIL	284,9 m ³
FRESH WATER	45,2 m ³
REC-OIL (fp < 60°C)	55,5 m ³
REC-OIL (fp > 60°C) double use	92,7 m ³
LUBE OIL STORAGE	4,9 m ³
HYDRAULIC OIL STORAGE	4,9 m ³
SEWAGE	6,0 m ³
SLUDGE	5,2 m ³
DIRTY OIL	5,2 m ³
FOAM	17,6 m ³
DISPERSANT	11,6 m ³

CARGO DECK:

TONNAGE	290,0 Mt
STRENGTH	5,0 T/m ²
LENGTH	13,2 m
WIDTH	11,2 m
CLEAR AREA	147,8 m ²

MACHINERY:

	Manuf./Type
MAIN ENGINES	2x Wartsila 9L20
POWER	2x 1620Kw @ 1000rpm (MCR)
REDUCTION GEARS	2x Wartsila SCV 50
GEAR RATIO	4.44:1
PROPELLERS	2xCPP LIPS in Kort Nozzle
DIAMETER & RPM	2500mm @ 225rpm
STEERING & RUDDERS	Tenford-RRM - no.2 spade type
BOW THRUSTER	HRP-100Kw - 620mm tunnel dia.
AUX. GENERATORS	Volvo Penta-TAMD103A 3x210 KVA 3x415V - 50Hz

TOWING & HANDLING: Manuf./Type Capacities:

AFT TOWING WINCH:

SIGLE DRUM MODEL	Rolls-Royce Brattvaag TW 1200/150H
LINE PULL	15T @ 10m/min. brake holding 120T
WINCH WIRE CAPACITY	700m, Ø51mm (B.L.1826 KN)

FWD ANCHOR WINDLASS / TOWING WINCH:

MODEL	Rolls-Royce B. TW 1200/150H/AW20.5
WINCH WIRE CAPACITY	200m, Ø51mm (B.L.1826 KN)
ANCHOR	Zhenmao 2x780kg stockless
CHAIN	2x CC3 220m/ 22mm diam.

SHARK JAW/ TOW PINS:	Plimsoll Marine Equipment-200T
STERN ROLLER	150T DinamicWL L=3,5m Diam=1.5m
TOWING PINS	Hydraulic 200T
TUGGER WINCHES	RRM-MW-15E, 10T@12m/min
CAPSTANS	RRM-CH50E, 5T
PUSHING BOW	Rubber fender Fitted

DOCUMENTATION:

CLASS	ABS - A1 Towing Vessel Fi-Fi1- Oil Recovery (CLASS 1-2) AMS - ACCU - UNRESTRICTED NAV.
FLAG	Italian
PORT OF REGISTER	Napoli - International Register no.338
RADIO CALL SIGN	IFQS2
IMO No.	9237577
Builder	ABG Shipyard Ltd. - Yard hull no. 213
Built Date	Nov./2005
Built Place	Surat (India)

PERFORMANCE:

MAXIMUM SPEED	(average)	13,9 knots
CRUISING SPEED		10,0 knots
ECONOMICAL SPEED		8,0 knots
MAXIMUM FUEL CONSUMPTION (100%)		8,0 MT/day
85% LOAD FUEL CONSUMPTION		6,6 MT/day
50% LOAD FUEL CONSUMPTION		5,0 MT/day
MAX BOLLARD PULL	(about)	55 TBP
CONT. BOLLARD PULL		52,7 TBP

TONNAGE (ITC):

GT	497,0 Mt
NT	149,0 Mt

ACCOMMODATIONS:

	Cabins:	Berths:
MASTER	1	1
CHIEF ENGINEER	1	1
OFFICER	2	1
OTHER	1	2
CREW	2	2
CREW	2	3

ELECTRONICS & CONTROLS:

	Manuf./Type
UNMANNED CONTROL & MONIT	Wartsila / Rockwell PLC 1747
DEPTH RECORDER	Japan Marina Co. F-840
GPS COLOR PLOTTER	JRC J NAV 500
RADARS ARPA x 2	Furuno FR-2115
RADIO SYSTEM	SAILOR/SARACOM/JRC A1+A2+A3 GMDSS
AUTO PILOT & STEERING	ANCHUETZ-Pilotstar BST-1950
PA & TELEPHONE SYSTEMS	Amplidan SPT 9010
INTERNET E-MAIL & SATELLITE	INMARSAT-C
VHF-DSC x 2	SARACOM
AIS, WEATHER FAX	Jotron, Navtex-JRC NCR-330
SPEED LOG	John Lillie & Gilley 4020 EM
SEARCHLIGHTS	2 x 1000W each remote controlled

SPECIAL EQUIPMENT: Manuf./Type

FIREFIGHTING SYSTEM (FI-FI 1)	
	- no.2 x Kvaerner 2fgec 280 OGF Pump
	1350m ³ /h @150mcw each
	- no.2 x remote controlled fire monitor
	1200m ³ /h @120m head
	- self drenching system
WATER MAKER	Tecnicomar MD1000 - 3T/day
DECK CRANE	Palfinger PK-32080 MBS - 3.5T @10,2 outreach
SURVIVAL CRAFT	4x20 Pers
RESCUE BOAT	1x6 Pers with outboard engine
OIL DISPERSANT SYSTEM	Kashiwa - meter pump + SS 2 lateral dispers. arm
OILY WATER SEPARATOR	IMO 60(33) 1cbm/h -15ppm
FW TRANSFER E/PUMP	40cbm/h @ 60m head
FO PORT. TRANSFER H/PUMP	40cbm/h @ 60m head