

Nome unità:

**MARIA LAURA**



Categoria:

**CHIMICA**

## MAIN FEATURES

SHIPYARD	TUZLA GEMI ENDUSTRISI – ISTANBUL – TURKEY
DELIVERY	SEPTEMBER 2009
CLASSIFICATION SOCIETY	RINA
CLASS	RINA – C* HULL * MACH, OIL TANKER – CHEMICAL TANKER, UNRESTRICTED NAVIGATION; AUT-UMS, AUT-PORT, CARGOCONTROL, SYS-NEQ-1, MON-SHAFT, AVM-APS, VCS, GREEN STAR DESIGN
PRODUCTS TO BE CARRIED	OIL PRODUCTS HAVING ANY FLASH POINT. WIDE RANGE OF LIQUID CHEMICAL PRODUCTS IMO II AND III
DEADWEIGHT	17.011 M
CORRESPONDING DRAFT	9.09 M
GROSS TONNAGE	GT 11836
FULL SPEED IN LADEN CONDITION	14.5 – 85% MCR WITH SHAFT GENERATOR CONNECTED
FULL SPEED IN LADEN CONDITION WITH APS	8 KNOTS
RANGE (miles)	14.000
INTERNATIONAL CONVENTIONS AND RULES	SHIP BUILT IN COMPLIANCE WITH CONVENTIONS AND RULES PRESENTLY IN FORCE (encl.2)

## DIMENSION AND CAPACITIES

HULL STRUCTURE	DOUBLE HULL
HULL PROTECTION	IMPRINTED CURRENT
LENGHT OVER ALL	144.05 M
EXTREME BREADTH	23.00 M
MOULDED DEPTH	12.40 M
NUMBER OF CARGO TANKS	12 (6 DOUBLE TANKS) PLUS 2 SLOPS, WITH LONGITUDINAL BULKHEAD IN THE CENTER LINE OF THE VESSEL

CAPACITY 100% OF CARGO AND SLOP TANKS (cubic metres)	20.500 BOX-SHAPE CARGO TANKS – ABSOLUTE SMOOTH TANK SURFACES)
NUMBER OF SLOP TANKS	4
NUMBER OF SEGREGATED BALLAST TANKS	12
CAPACITY 100% (cu.metres) OF SEGREGATED BALLAST TANKS	7.800 COMPLY OF THE MARPOL ANNEX 13

## CARGO AND BALLAST SYSTEM

CARGO TANKS COATING, SLOP TANKS AND SLUDGE TANKS	PHENOL EPOXY “PHENGUARD”
EQUIPMENTS OF CARGO SYSTEM	STAINLESS STEEL AISI 316L: 1) PIPES, PUMPS AND VALVES OF THE CARGO AND SLOP SYSTEM; 2) BUTTERWORTH PIPES AND FIXED CARGO TANKS WASHING MACHINES
SEGREGATED BALLAST TANKS COATING	SOLVENTLESS EPOXY SIMGUARD
CARGO PUMPS BUILDER	FRAMO
LOCATION OF CARGO PUMPS	ONE EACH TANKS RIGHT AND LEFT
KIND OF CARGO PUMPS	CENTRIFUGAL DEEPWELL HYDRAULIC DRIVEN
NUMBER OF CARGO PUMPS	12+2
CARGO PUMPS CAPACITY (cu.metres/hour/each)	300
HEAD OF CARGO PUMPS	120 M
NUMBER OF SLOP PUMPS	2
KIND OF SLOP PUMPS	CENTRIFUGAL DEEPWELL, DRIVEN
CAPACITY OF SLOP PUMPS (cu.m. per hour each)	150
NUMBER OF INCOMPATIBILE CARGOES	7
MAXIMUM CAPACITY OF DISCHARGE (cu.m./cargo/hour)	2.700 (6 PUMPS SIMULTANEOUSLY)
MATERIAL OF CARGO PIPES	AISI 316L STAINLESS STEEL
NUMBER OF CARGO LINES AMIDSHIP	7 EACH SIDE
NUMBER/DIAMETER CARGO MANIFOLDS AMIDSHIP	4x10”; 2x16”; 1x6”
NUMBER/DIAMETER STERN CARGO MAINFOLDS	2x12”: + 1x6”
MATERIAL OF CARGO VALVES	AISI 316L STAINLESS STEEL
VAPOUR RETURN	2x6”
NUMBER OF SEGREGATED BALLAST PUMPS	2
KIND OF SEGREGATED BALLAST PUMPS	CENTRIFUGAL DEEPWELL HYDRAULIC DRIVEN
CAPACITY OF SEGREGATED BALLAST PUMPS	CUBIC METRES 500 PER HOUR EACH
REMOTE CONTROL OF CARGO/BALLAST VALVES	ELECTRO-HYDRAULIC
CARGO CONTROL ROOM WITH “LOAD MASTER” CARGO/BALLAST HANDLING	CARGO CONTROL ROOM

## MACHINERY

TRADE MARK OF THE MAIN ENGINE	MAN B&W
POWER OF MM.EE. (KW)	KW 6.300
CORRESPONDING REVOLUTION	600 (R.P.M.)
GENERATORS	N.1 SHAFT GENERATORS TRADE MARK AVK KW 1500 N.3 DIESEL GENERATORS CATERPILLAR KW 910 EACH ONE EMERGENCY GENERATOR KW 230
TYPE OF BOILERS	STEAM BOILER S-MAN
MAIN BOILERS	7600 KW
EXHAUST GAS BOILERS	1046 KW

### EQUIPMENTS AND SYSTEM

CARGO HEATING SYSTEM	WITH HEAT EXCHANGER AND SECONDARY CIRCUIT FOR CARGO TANKS
HEATING COILS MATERIAL IN CARGO TANKS	AISI 316L STAINLESS STEEL
NUMBER OF FIXED CARGO TANKS WASHING MACHINES	28 (2 IN EACH TANK) MATERIAL AISI 316L STAINLESS STEEL
INERT GAS SYSTEM	TRADE MARK SMIT SINUS, 2.700 NMC/H
GENERATOR FOR THE PRODUCTION OF NITROGEN	CAPACITY 50 NMC/H AT 10 BAR, FOR CARGO TANKS STRIPPING
CONTROLLABLE PITCH PROPELLER	MAN B&W
BOW THRUSTER FLAP RUDDER	800KW – ROLLS-ROYCE TYPE FLAP – ROLLS-ROYCE

### DECK MACHINERY

NUMBER OF CRANES FOR CARGO HOSES	ONE MINDSHIP CRANE CAPACITY 10 SWL TONS. ONE STERN CRANES (3 SWL TONS)
TYPE OF DECK MACHINERIES NUMBERS OF ANCHOR WINDLASSES	TWO
NUMBER OF MOORING DRUMS	6 WITH 12 SPLIT DRUMS AND 4 WARPING HEADS
LIFE BOAT	FREE-FALL TYPE

### NAVIGATION INSTRUMENTS

NAVIGATION BRIDGE, NAUTICAL ROOM AND RADIO STATION	FOR SHIP'S RUNNING IN AUTOMATIC WAY WITH ONE MAN ON BRIDGE
RADIO AND NAVIGATION EQUIPMENT	VECTOR SYSTEM, ROUTE-PLANNING COMPUTER, AUTOPILOT, RADAR PLANT (2 ARPA S/X), DIRECTION FINDER, GPS SATELLITE, GYRO-COMPASS, ECHOSOUNDER, LOG, MAGNETIC COMPASS, WEATHER FAX, RTF STATION GMDSS. AIS AND BLACK BOX