

SOCATRA
Adara
 MEDIUM TANKER



DESCRIPTION

Description :	Oil tanker, Chemical tanker
Built :	2011 built by Hyundai Mipo Dockyard Co LTD/Ulsan, Republic of Korea
IMO N° :	9587829
Flag :	France
Port of Registry :	Marseille
Call sign :	F I C S
Class :	BUREAU VERITAS : I HULL, MACH, Oil tanker CSR CPS (WBT) ESP, Chemical tanker ESP, Unrestricted navigation, VeriSTAR-HULL, AUT-UMS, MON-SHAFT, CLEANSHIP (C), GREEN PASSPORT, ERS-S, VCS
Register N° :	18604Y
Hull N° :	2310

MAIN CHARACTERISTICS

Length overall :	184,00 m
Length BP :	176,00 m
Moulded breadth :	27.4 m
Moulded Depth :	17.2 m
Interntl gross tonnage :	23 248
Interntl net tonnage :	9 919

MARKS	FREEBOARD	DRAFT	DEADWEIGHT
Summer :	5,714 m	11,51 m	37,583 t
Winter :	5,954 m	11,27 m	36,606 t
Tropical :	5,474 m	11,75 m	38,778 t

MACHINERY

Main Engine :	1 Diesel engine Hyundai-B&W 6S46MC-C8 - Total power 7,860 kW (10679 HP) driving a single screw solid propeller
Electric Power :	3 Diesel alternators 3x 740kW at 900 rpm - 450V - 60 Hz 1 Emergency generator 1x 150kW
Bow Thruster :	1 Kawasaki - 900 kW
Boilers :	1 Oil fired boiler (Mission OL) + 1 Exhaust gas boiler (Mission XW)

CARGO

Cargo Tanks :	12 cargo tanks + 2 slop tanks (total capacity 41864 m3 at 98%)
Segregation :	Cargo Piping system with blind flange valve double segregation with 6 different products discharge / loaded simultaneously.
Cargo Heating :	Two loops of grid type heating coil fitted in each cargo/slop tanks. Rating of tank heating based on sea water temperature of 0°C and ambient air temperature of -10°C and able to heat the cargo from 44°C to 66°C in 96 hours and 33°C to 66°C in 24 hours for slop tanks. Cargo maintain temperature : 57°C
Cargo Pumps :	14 submerged hydraulic oil pressure powered cargo pumps controlled from CCR. 10 x 500 m3/h + 2 x 300 m3/h + 2 x 200 m3/h (Slop) at 130 mTH (S.G. 0.75) The cargo pumping system to allow cargo maximum unloading rate of 3,000 m3/h (S.G. 0.75, Visc. 1.0 cSt) at 130 mTH pump head and discharge time abt. 16 hours.
Tank Coating :	Cargo tanks: Phenolic epoxy - Ballast tanks: Tar free epoxy
Ballast :	Capacity 17953 m3, Segregated ballast in double hull.
Tank Cleaning:	A fixed tank cleaning system fitted for crude oil and hot/cold sea water washing with open/closed cycle in cargo tanks and slop tanks.
Cargo control:	Radar type for pressure and temperature with remote readout in C.C.R. for each cargo and slop tank
Cranes:	1 hose handling crane (upper deck, centre) : 10 t 2 provision cranes (port & starboard, aft) : 2x 2 t 1 engine room crane : 2 t