



I11

6 400 DWT Bitumen carrier

GENERAL

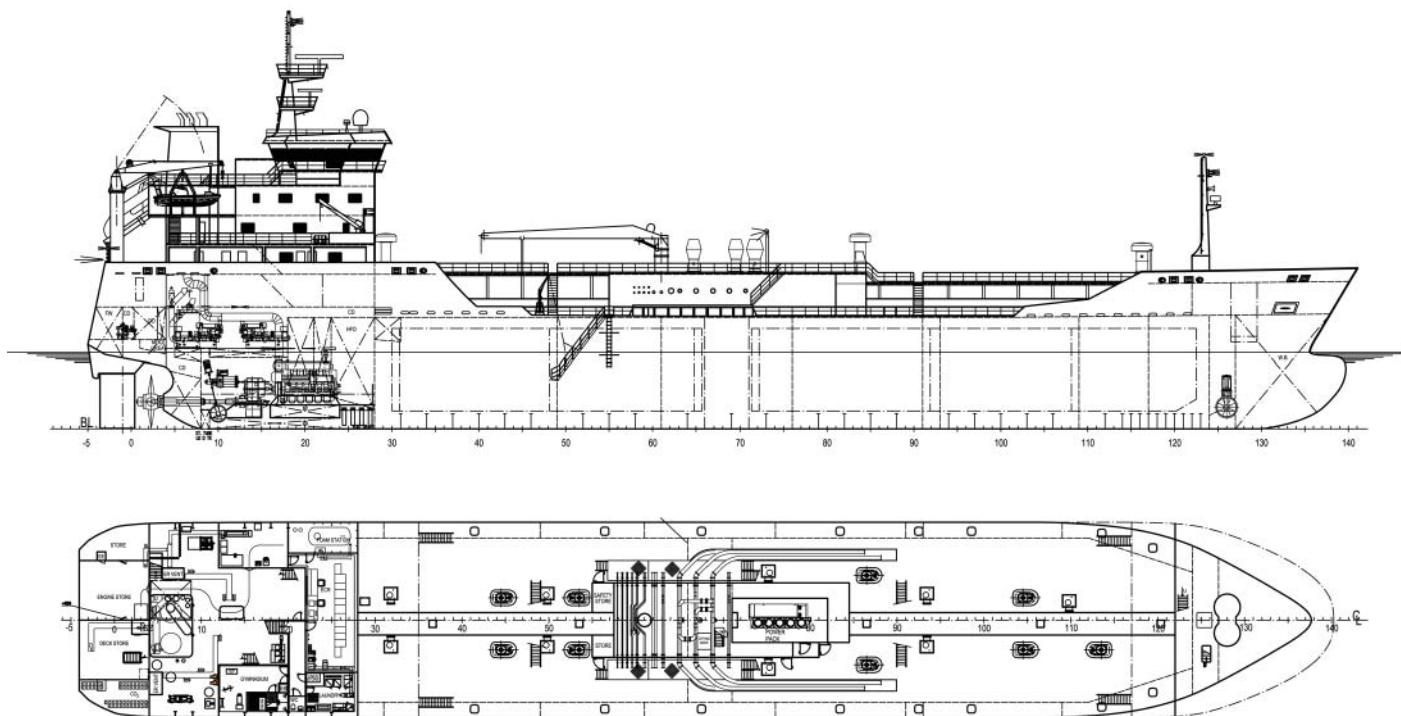
The FKAB I11 design is a bitumen, chemical and product oil tanker with independent cargo tanks for bitumen and asphalt solution.

Propulsion is in the form of a medium speed diesel engine with a gear and shaft generator coupled to a CP-screw while the bow thruster delivers 800kW. A box cooling system is utilized. The vessel carries independent cargo tanks constructed in two blocks, forward and aft of a pumproom. The forward block includes 5 tanks while the aft tanks consists of 4 tanks, divided vertically by corrugated bulkheads and heated via a thermal oil system.

The vessel is equipped with three cargo pumps, one for each segregation, where interconnections allow for any crossover combination so that any pump can empty any hold.

MAIN FIGURES

Cargo cubic capacity, incl sloptanks (100%)	6 368 m ³
Deadweight at summer draught	7 130 tonnes
Cargo temperature	250 °C
GT/NT	6 280/1 884



MAIN PARTICULARS

Length over all	116.0 m	Water ballast	2 557 m ³
Length between PP	109.3 m	Main engine	4 350 kW
Deadweight at scantling draught	7 130 tonnes	CP propeller	Ø 4.9 m
Deadweight at design draught	6 620 tonnes	Aux engines	3 x 600 kW
Breadth mld	18.0 m	Shaft generator	900 kW
Depth mld	10.2 m	Thermal oil boilers	2 x 1 300 kW
Draught design	7.0 m	Bow thruster	800 kW
Draught scantling	7.5 m	Cargo pumps	3 x 500 m ³ /h
Cargo capacity	6 368 m ³	Ballast pumps	2 x 400 m ³ /h
HFO tanks	406 m ³	Accommodation	14 pers
DO tanks	62 m ³	Service speed (7.0 m) 85% MCR	15.0 knots
FW tanks	55 m ³		

CLASS

BUREAU VERITAS: **I*** Oil tanker, Chemical tanker, Asphalt carrier, max cargo temp 250°C, ESP, Deep Sea, ICE 1A Super, ***MACH**, Boilers, ***AUT-UMS**, SYS-NEQ, Veristar.

NO. OF BUILT VESSELS	YARD	OWNER	FLAG	DELIVERY YEAR	SCOPE
2	Shanghai Edward Shipbuilding Co., Ltd., China	Swedish	Swedish	2003	Concept and Basic Design