

**REDERI AB VERITAS TANKERS SHIP PARTICULARS**

Ship's Name	M/T Astina				
Owner / Manager	REDERI AB VERITAS TANKERS,				
Full Adress	Tjärebergsvägen 10, SE-430 82 Donsö, Sweden +46 31 97 33 50 info@veritastankers.se William Fhager +46 704 441236			SHIP COMMUNICATION DETAIL	
TEL:				Telephone	+46 31 793 88 60
				Telephone Cpt.	+46 31 793 88 61
E-Mail				e-mail	master@astina.veritastankers.se
D.P.A					
Official No:	IMO Number	MMSI No:	Call Sign	Nationality	Port of Registry
	9320063	266 220 000	SHZA	SWEDEN	DONSÖ
Ship Type	IMO TYPE II CHEMICAL TANKER & OIL TANKER				
Ship Builder	Torlak shipyard - Tuzla/Istanbul, Hull No:44				
Class Society	BUREAU VERITAS				
Class Notation	I+HULL+MACH OIL; TANKER ESP; CHEMICAL TANKER ESP; UNRESTRICTED NAVIGATION+AUT-UMS,CLEAN SEA, CLEAN AIR, ICE CLASS 1A, MOON-SHAFT VCS; IG				
Delivery Date:			Summer Deadweight		
2006-03-02			11283,039		
L.O.A	L.B.P	BREADTH	DEPTH	SUMMER DRAFT	
129,75	123,44	19,60	10,40	8,00	
FULL LOADED CONDITION AT SUMMER DRAFT			BALLAST CONDITION		
FREEBOARD		AIR DRAFT		FREEBOARD	
2,41 METERS		26,35 METERS		5,27 METERS	
GROSS TONNAGE		NET TONNAGE		SUEZ CANAL GRT	
7636 / 6270 (SBT)		3644		NA	
Dist. Man. To . Bow		68.10 m		Lightship parallel body	
Dist. Man. To . Accom.		36,58 m		Ballast cond. Parallel body	
Dist. Bow. To .Accom.		104,68 m		Summer DWT parallel body	
Dist. Acc. To .Stern.		25,08 m		Dist manifold to ship side	
FWA & TPC AT SDWT		174 MM / 21,78 mt		38,64 m	
TOTAL 100% AND 98% CAPACITY OF CARGO TANKS		12654 / 12401		53,35 m	
NUMBER OF MANIFOLDS AND SIZE		6 x 8" + 2 X 10" (PORT & STARBOARD)		62,69 m	
NUMBER OF CARGO REDUCERS AND SIZE		DIN: 2x(250-300)+ 3x(250-150)+1x(300-250)+ 1x(250-150)+ 1x(200-150)+ 1x(150-100)		4,28 m	
ANCHOR CHAIN		Dia:56 mm/Q2a,STBD: 10 Schackles, PORT:9 Schackles			
ANCHOR CHAIN MAX RATE OF HEAVING		LESS THAN 3 MINUTES / 1 SCHACLE (PORT & STBD)			
ANCHOR WEIGHT		MSPEK ANCHOR: STBD: 4320 KG, PORT: 4145 KG			
TYPE OF ENGINE		MAK 9M32C, CATERPILLAR MOTOREN GMBH			
ENGINE POWER		4320 KW, 5793 BHP, 4 STROKE & 600 rpm (IFO 380)			
NUMBER OF D/G AND POWER		3 D/G;620 KW / 1800 rpm & SHAFT GEN.:1250 KW-1800 RPM			
DIA. OF PROPELLER / PITCH & BOW THRUSTER		1xLB 10 YEARS, 4750mm / CPP & B/T: 450kw (603 HP)			
AUX BOILERS		2 x AALBORG-THERMAL FLUID HEATER-OIL FIRED, SURFACE 65m2, 13 BAR			
STEAM BOILER & EXHAUSTGAS ECONOMISER		1 x AALBORG-UNIFIRED STEAM BOILER, 10,5 BAR/2 TON/hr & 1x AALBORG EXHAUSTGAS ECONOMISER, 30,3 m2 10BAR			
CARGO & BALLAST PUMPS PARTICULARS					
CARGO & WBT TK	COTS: 1-6+DECK COT/SLOP TK (14 TANKS-FULL HEMPEL PHENOLIC EPOXY/HEMPADUR 1550 COATED) MAX CARGO CARRIAGE TEMP 80C, MAX S.G. OF CGO 1,54 TON/CBM & WBT: 1-7 P/S+TRIM TANK+APT (17 TANKS-FULL HEMPEL EPOXY COATED)				
CARGO PUMPS	12 Pcs 300 m3/h at 10 MTH. HAMWORTHY SVANEHOJ DL132d/150 SINGLE STAGE DEEPWHEEL				
SLOP PUMPS	2 PCS * 65 m3/h at 80 MTH. EPTEC OSLO				
BALLAST PUMPS	2 PCS * 350 m3/h AT 35 MTH ELECTRICAL DRIVEN CENTRIFUGAL PUMP				
CARGO & BALLAST EDUCTOR PARTICULARS					
OIL SPILL PUMP	2 PCS 36 m3/h AT 100 MTH. HAKPI POMPALARI d/d 1400				
W.B. STRIPPING EDUCTOR	1 PCS DNG 200 & 100, 50 m3 /h AT 80 MLC.				
TANK CLEANING HEATER					
TANK WASH HEAT EXCHANGER	1 PCC THERMAL OIL, 35,1 m2 & 2 PCS THERMAL OIL FLUID HEATER-OIL FIRED, FM 44 TO 66 C: 96 hrs (WHILE SEA TEMP 0 & AIR 10 C.				
INERT GAS GENERATOR PLANTS PARTICULARS					
INERT GAS GENERATOR	ENRAF SMITH, SCRUBBER & DECK SEAL: SMITH GAS, 2 PCS BLOWERS 2250 m3/h EACH.				
CRANE'S					
1 x GD-KHK 20/9 GURDESAN HOSES CRANE (SWL 5 mt)			1 x GD.KHK.20/9 RESCUE BOAT, LIFE RAFT & PROVISION CRANE (SWL 2,1 mt)		