



PVT ATHENA SHIPS PARTICULARS

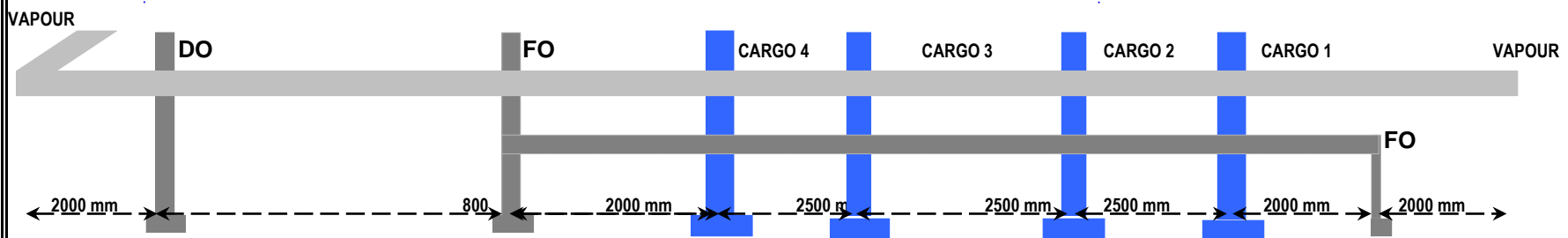
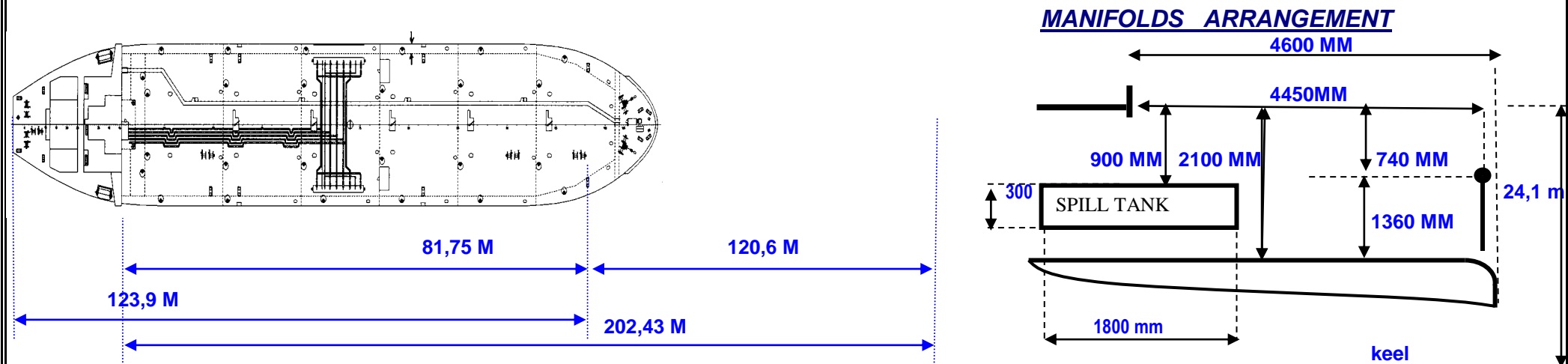
NAME	PVT ATHENA	CLASS SOCIETY	DET NORSKE VERITAS / VR
CALL SIGN	XVSS	CLASS	+1A1 TANKER FOR OIL ESP ICE-1C EO LCS(IS)
FLAG	VIETNAM	NOTATION	VCS-2 NAUTICUS (Newbuilding, Operation)
PORT OF REGISTRY	SAI GON	P&I CLUB	STEAMSHIP MUTUAL MANAGEMENT (HONGKONG) LTD. Wanchai, Hong Kong.
TYPE OF HULL	DOUBLE HULL		
TYPE OF SHIP	OIL TANKER		Tel: + 852 2838 2722 / 2821 9400, Fax: + 852 2838 2009 / 2838 2803
IMO No	9208136	OWNER	Pacific Petroleum Transport JSC
MMSI	574428000		3rd Floor,PVFCo Tower,43 Mac Dinh Chi Str, Dakao Ward, 1 Dist, HCM City, Viet Nam
GMDSS AREAS	A1, A2, A3		Tel: + 84 8 9111 301, E-Mail: tech@pvtrans.com
PLACE OF BUILT	HYUNDAI HEAVY INDUSTRIES CO. LTD	TECHNICAL	PVTRANS SHIP MANAGEMENT (PSM)
KEEL LAID/BUILT	27/12/1999 20/07/2000		M Floor,PVFCo Tower,43 Mac Dinh Chi Str, Dakao Ward, 1 Dist, HCM City, Viet Nam
LAST DRY DOCK	03-May-2005		Tel: + 84(8)38228339, Fax: + 84(8)38228566
SHIP'S TLX	457 442 810	COMMERCIAL	Pacific Petroleum Transport JSC
SHIP'S FAX	783 150 610		M Floor,PVFCo Tower,43 Mac Dinh Chi Str, Dakao Ward, 1 Dist, HCM City, Viet Nam
SHIP'S TEL	773 150 300		Tel: + 84 8 9111 301, E-Mail: tech@pvtrans.com
SHIP'S E-MAIL	pvtathena@gtships.com		

DIMENSIONS, TONNAGE AND CONSUMPTION:

LOA	243.77	CONSUMPTION FO / GO	
LBP	234.0	LADEN	15,13 KNOTS 54,5 / 0
GRT	60100	BALLAST COND	16,5 KNOTS 53,5 / 0
NRT	31493	ECONOMICAL SPEED	14,2 KNOTS 38,5 / 0
Suez Tonnage	62186,9	ANCHORAGE	5.0 / 0
MOULDED BREADTH	42.0	INERTING (P FUEL-2,5 BAR; 5,0%O2)	0/ 18,9
MOULDED DEPTH	22.0	INERTING (P FUEL-3,5 BAR; 3,5%O2)	0/ 21,5
KEEL TO MASTHEAD	49.8	DISCHARGING MIN RATE	17 / 0
LIGHT SHIP PARALLEL BODY	71.85	DISCHARGING MAX RATE	28,9 / 0
NORMAL BALLAST PARALLEL BODY	99.16	TANK CLEANING	28,5 / 0
PARALLEL BODY AT SDWT	120.38	CARGO HEATING	24,5 / 0

DWT	ACTUAL	DISPLACEMENT	DRAFT	FRE BOARD	FWA	AIR DRAFT	TPC	Height Manifold above WL
105.177	X	122.917	14.920	7,116 m	335 mm	34.88	91.8	9,2 m
92.387		110.127	13.520			36.28	90.7	10.56
99,950		117,690	14.350	7.686 m	322 mm	35.45	91.4	9.75

89,940	107,680	13.250	8,786	298 mm	36,55	90.5	10,87 m
79.937	97,713	12.140			37.66	89.0	11.96
69.926	87,666	11.00			38.8	87.4	13.1
Light ship	17,740	2.58	19,42		47.22		
SBT condition	54,071	7.1	14,90		42.45		16,6 m



CARGO SYSTEM'S PARTICULARS

CARGO GROUPS	1	1 & 5 COT P&S	37,885.800	STATE MAX VENTING CAPACITY	12350 CBM/HR
	2	2 & 6 COT P&S	41,169.600	STATE P/V valve opening pressure	1400 mm/wg
	3	3 COT P&S	21,377.400	STATE P/V valve vacuum setting	350 mm/wg
		+ SLOP TANK P&S + RESIDUE TANK	2,315.200 295.800	CARGO MANIFOLDS	4x400mm (16")
4	4COT P&S	21,377.400	CARGO TANK'S COATING	Epoxi A Interline 704	
CARGO TANK'S CAPACITY		98%	124,125.400	CARGO HEATING	Stainless Steel
MAXIMUM RATE: LOADING		9800 CBM/HR		CARGO PUMPS	4 X 2000 Cu.M/HR
DISCHARGING		8000 CBM/HR (4 PUMPS)		STRIPPING	1 X 250 Cu.M/HR
MAX ALLOWABLE PRESSURE CARGO LINE			10 BAR	EDUCTOR	2 X 250 Cu.M/HR
				WORKING PRESSURE OF THE COW LINE	10 BAR

CARGO TANK'S CAPACITY:

TANK	VOLUME 98% CBM	VOLUME BBLs
1 P&S	16,528.400	103,960.0
5 P&S	21,357.400	134,334.0
2 P&S	21,299.400	133,969.0
6 P&S	19,870.200	124,980.0
3 P&S	21,377.400	134,460.0
4 P&S	21,377.400	134,460.0
TOTAL	121,810.200	766,163.0
SLOP P	1,009.700	6,351.0
SLOP S	1,305.500	8,211.0
RESIDUE T (P)		301.8
TOTAL	2,315.200	14,562.0
G TOTAL	124,125.400	780,725.0

BALLAST TANK'S CAPACITY:

TANK	VOLUME 100%
F.P.T.	1,704.700
1 P & S	5,603.000
2 P & S	5,742.000
3 P & S	5,885.400
4 P & S	5,885.400
5 P & S	5,758.200
6 P & S	6,984.800
A.P.T	1,070.700
TOTAL	38,634.200

TANK'S CAPACITY		FRESH WATER TANK'S CAPACITY				LUB. OIL TANKS	
<u>VOLUME 98%</u>		<u>VOLUME 98%</u>		<u>VOLUME 100%</u>		<u>VOLUME 98%</u>	
H.F.D. STORAGE TANK No 1 (P)	439.5	D.O. STORAGE TANK (P)	96.4	F.W. TANK (P)	188.2	MAIN L.O. STORAGE TANK (CTR)	28.4
H.F.D. STORAGE TANK No 1 (SB)	439.5	D.O. STORAGE TANK (SB)	75.8	F.W. TANK (SB)	188.2	MAIN L.O. STORAGE TANK (P)	27.5
H.F.D. STORAGE TANK No 2 (P)	868.8	M.D.O. SERV. TANK (SB)	47.9			MAIN L.O. STORAGE TANK (SB)	27.5
H.F.D. STORAGE TANK No 2 (SB)	824.4					CYL. OIL STORAGE TANK (P)	55.1
H.F.D. SERVICE TANK (SB)	83.6					G/E L.O. STORAGE TANK (SB)	10.7
H.F.D. SETTLING TANK (SB)	87.8					TUB. L.O. STORAGE TANK (SB)	3.5
TOTAL	2743.6		220.1	TOTAL	376.4	TOTAL	152.7

**TANKS FOR RETENTION & DISPOSAL
OF OIL RESIDUES(SLUDGE) & BILGE WATER HOLDING TANKS**

<u>TANK</u>	<u>VOLUME 100%</u>
BILGE HOLDING TANK (CTR)	50.4
OILY BILGE TANK (P)	15.9
L.O. SLUDGE TANK (P)	10.5
Incenerator Waste Oil Setting/Service Tank	2.5
TOTAL	79.3

ADDITIONAL INFORMATION

MAIN ENGINE	HYUNDAI MAN - B&W 7S60MC-C M.C.R 19,600 BHP X 96,0RPM/N.C.R 17,640 BHP X 92,7RPM
AUXILIARY ENGINES	HYUNDAI MAN - B&W 7L23/30 M.C.R 925 kW X 720RPM, N.C.R. 870kW X 720RPM
EMERGENCY DIESEL GENERATOR	SSANGYONG-CUMMINS DIESEL GENERATOR SET 6CTA8.3GCM, 120kW X 1800RPM
ANCHORS	2 STOCKLESS 10,210 KG
ANCHORS CHAIN (2pcs) P/13 S/13	90 mm DIAM. 715 TOTAL LENGTH

PROPELLER	ONE FIXED PITCH PROPELLER, 4 BLADES,RIGHT HEADED, Ni+Al+Bronze, DIAMETTER 7500 mm
MAIN AIR COMPRESSOR	SPERRE HV 2/200 X2
BILGE WATER SEPARATOR	HAMWORTHY HS5Mk II , 5 CBM/HRS
AUXILIARY BOILER x2	Aalborg CPH-30
INSINERATOR PLANT	KEI-50SDA / IK9HD018, CAPACITY:Waste Oil - 61kg/hr, Solids - 32 kg/hr
SEWAGE TREATMENT UNIT	AEROB - 12, 2100L/DAY

IGS	Capacity 10000 Cu/Hrs 2 Funs , Oxygen less than 5%,CO2 approx. 13%, SOx less than 300ppm, N2 - balance
Top Up Generator	GIn 500-0.15 B.U. Capacity 500 Cu/Hrs, Oxygen 2-4%, CO2 max.13%, CO+H2 max.0.1%, Sox max.100ppm, N2 - balance, Soot

No.2 Fuel Oil T.	P	25- 35	489.3	455.54
FUEL OIL TOTAL			1849.71	1722.08

Name	Position	Capacity	95% Weight	
		Frame	MT	
Diesel Oil T.	P	Nov-15	91.58	73.95
Diesel Oil T.	S	Nov-15	91.58	73.95
DIESEL OIL TOTAL			183.16	147.9

Name	Position	Capacity / Filling Capacity	Weight
		Frame	MT
ME L.O. Sump Tank		18.9 - 25	25.85 / 17.00
M/E L.O. Setting T.	S	22 - 25	32.90 / 24.00
M/E L.O. Storage T.	S	22 - 25	24.44 / 19.50
M/E CYL. O. STOR.T. #1	S	25 - 28	30.54 / 30.40
M/E CYL. O. STOR.T. #2	S	23 - 25	20.36 / 20.30
G/E L.O. Storage T.	S	22 - 23	6.36 / 6.30
G/E L.O. Setting T.	S	22 - 23	3.82 / 3.80

Name	Position	Capacity
	Frame	m3
Bilge Tank P	11 – 18.9	35.08
Bilge Sep. Oil Tank P	25 - 35	35.46
F.O. Overflow T. S	27 - 35	33.26
L.O. Draining T.	23 - 25	3.46
M/E S. Box L.O. Draining T.	23 - 25	3.46
Stern Tube Cooling W.T.	A.E. - 11	13.52
F.O. SERV. T.	32 -35	24.16

F.O. SETT. T.	35 - 37	16.11
F.O. DRAIN T.	25 - 27	4.84
D.O. SERV. T.	28 - 31	24.16