

PRINCIPAL PARTICULARS - MS "MARTIN P."

NAME OF THE SHIP: MS "MARTIN P."

OWNER: NANICE SCHIFFFAHRTS AG

OPERATOR: SUISSE-OUTREMER REEDEREI AG
WINTERTHURERSTRASSE 92
CH-8033 ZÜRICH/SWITZERLAND

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PORT OF REGISTRY: BASEL
REGISTRATION NO.: 133

CALL SIGN: HBFH

MMSI NUMBER: 269 003 000

IMO NO.: 82 12348

INMARSAT-C: 426 900 310 HBFH
TELEX: TOR 51574

BUILDERS: SEDEF GEMI ENDÜSTRISI A.S., GEBZE, ISMET
HULL NO.: 49
LAUNCHED: 1984
DELIVERY: 3/1985

TYPE: MULTI PURPOSE CARGO SHIP, SINGLE DECKER, SINGLE SCREW
MOTOR SHIP WITH RAKED STEM, BULBOUS BOW AND TRANSOM STERN.

CLASS: AMERICAN BUREAU OF SHIPPING
+A1(E) +AMS +ACCU

DIMENSIONS: LENGTH OVERALL 106 m
LENGTH BETWEEN PERPENDICULARS 97.27 m
BREADTH MOULDED 16.60 m
DEPTH MOULDED 8.60 m

TONNAGE:	<u>INTERNATIONAL</u>	<u>SUEZ</u>	<u>PANAMA</u>
	GRT 4294	4995.74	5030.69
	NRT 2847	4072.90	3893.11

LOAD LINE PARTICULARS:	<u>WNA</u>	<u>SUMMER</u>	<u>WINTER</u>	<u>TROPICAL</u>
FREEBOARD	1934 mm	1741 mm	1884 mm	1598 mm
DRAUGHT	6.699 m	6.892 m	6.752 m	7.035 m
DWT	6079.700 mt	6348.837 mt	6149.326 mt	6550.441 mt

FRESHWATER:	<u>F (S)</u>	<u>TF</u>
DRAUGHT	7.042 m	7.185 m
DWT	6348.061 mt	6546.641 mt

HATCH/HOLD DIMENSIONS:

	NO. 1	NO. 2
HATCH OPENING	25.35 x 12.80 m	25.35 x 12.80 m
LENGTH HOLD	35.00 m	33.60 m
WIDTH FORE	4.80 m	15.50 m
WIDTH AFT	15.50 m	10.60 m

ENTERING HEIGHT: 6.25 m (about)

HOLD CAPACITY:

	GRAIN	BALE
NO. 1	4398 m ³ 155406 Cbf.	4316 m ³ 152418 Cbf.
NO. 2	4358 m ³ 153998 Cbf.	4270 m ³ 150793 Cbf.
TOTAL	8756 m ³ 309399 Cbf.	8586 m ³ 303211 Cbf.

HATCH COVER: Two sets BALANLIFT (single-pull) type hatch covers hatch dimensions 12800 x 25350.
License of ASCARGO, Spain, Manufac. SEDEF SHIPYARD.

CARGO GEAR: Electro-hydraulic, low pressure, 2 single DERRICK cranes 8/22,
2 single DERRICK cranes 4/8.
Outreach approx. 7 m.

SPEED CONSUMPTION: 13.5 Knots (max.) / 15.8 T.
Cruising speed 11.0 Knots at 11 mt/day.
1.5 mt in port working gear.

FUEL SPECIFICATION: IFO 180: ISO-F-RME 25
ISO 8217: 1987 (E) (CLASS F) GO: ISO-F-DMA

CAPACITY:

FRESH WATER:	69.20 t/m ³	
DRINKING WATER:	2.70 t/m ³	
FUEL OIL:	320.00 m ³	at 90 %
DIESEL OIL:	80.00 m ³	at 90 %
LUBE OIL SUMP TANK:	10.5 m ³	
STORE:	9.0 m ³	
WATER BALLAST:	1505.00 m ³	at 100 %
SLUDGE, WASTE OIL:	20.60 m ³	

PERMISSIBLE LOAD:

TANK TOP:	7.40 t/m ²
HATCH COVERS:	1.75 t/m ²

HEIGHT OF MAST: FROM KEEL: 37.00 m

EQUIPMENT: Two single Derrick Cranes of 4/8 tonnes SWL. MTT.
Two single Derrick Cranes of 8/22 tonnes SWL. MTT.
Two hydraulic windlasses, one hydraulic capstan, 12 cargo winches
manufactured by HYDRAULIC BRAATVAAG.
One 1 ton SWL electric provision crane manuf. MMT.
Mech. Cargo Hold Ventilation, 4 del. + 4 extraction Fans, 6 air changes/hour.

NAVIGATING EQUIPMENT:

- PLATH NAVIGAT III Gyro Compass - Auto Pilot.
- NAVIGAT I Reflector Compass.
- JRC Equipment: Echo Sounder, Doppler Log, Radio Direction Finder
- 2 JRC Radar, JMA-625
- NAVTEX SRT PNW 900
- FURUNO GP-50 Mark GPS Navigator

RADIO EQUIPMENT:

SSB Radio:	Sailor, T-1127L, R-1120
Radio Telex:	Sailor, H-1240
VHF Radio:	Sailor, RT-144L & RT-145
Satcom-C:	STC MASCOT Standard C, Software version 1.40
Lifeboat Radio:	SKANTI II Marinetta TRP1

MAIN ENGINE:

HANSHIN Diesel 6 EL-44
4 stroke, trunk piston non reversible
Clockwise rotation
4000 BHP at 220 RPM
Cylinder bore 440 mm, stroke 880 mm
BROWN BOVERI exhaust gas Turbo Charger type VTR 401

POWER TAKE OFF:

Forward end, NIIGATA step-up gear Nico SG140H-43
with Kawasaki high elastic coupling KE125N

SHAFT GENERATOR:

Alternator MARKON MB 604 G, 280 KVA, 3 x 380 V, 50 Hz,
coupled to step-up gear "NIIGATA SG 104 H - 43", ratio 1:7.2

PROPELLER:

HANSHIN CPP, nickel-aluminium bronze, CP90M48,
4 blades righthanded pitch 2040 mm, diameter 3400 mm.
Shaft Seal: HDW Simplex-Compact/Kobe Steel, size 380
– 2 C.P.P. Hydraulic Pumps of capacity 4.2 m³/h, 70 kg/cm²,
Tokooki Kogyo/TCP4-L50-MRI.
– C.P.P. Hydraulic Oil Transfer Pump of capacity 0.09 m³/h,
Nippon Oil Pump/TOPIMB 200E.

AUXILIARY ENGINES:

2 Aux. Diesel Generating sets, M.A.N. D-2540 MTE, V 10,
single acting four stroke,
Alternators: 2 x 270 KVA, 3 x 380 V, 50 Hz,
Stamford MHC 434E2/B3.

EMERGENCY GENERATOR:

Harbour Diesel Generating set, M.A.N. D 0226 ME
6 cylinder inline single acting four stroke
Alternator: 51 KVA, 3 x 380 V, 50 Hz MARKON MB 414A.

MAIN SWITCH BOARD:

Hjalte Nattestad

ALARM MONITORING:

Analogue input, Rikadenki ZF3

REMOTE CONTROL:

Nippon Air Brake (Nabco) E-C-1000-D2A3-109

- STEAM BOILER:** MIURA VWS-800 E, oil fired natural circulation, vertical tube boiler, working pressure 8 bar.
Heating surface 9.61 m². Actual evaporation 800 kg/h.
MIURA KS-45-1-530 multitudinous tube exhaust gas economizer forced circulation type, heating surface area 45.5 m², actual evaporating 650 kg/h. (Exhaust gas cap. 19740 kg/h at 350 degrees.)
Working pressure 10 bar.
- 2 Boiler water circulating pump, 4 m³/h, 28 mwc.
Horizontal-Volute MCT-40.
 - 2 Feed water pump, 2000 lt/h, 110 mwc.
Horizontal Westco pump, MRT M-25.
 - Steam system S.W. pump of capacity 20 m³/h, 20 mwc.
- COMPRESSORS:** 2 Starting Air Main Compressors, electrical driven.
Two stage, one cylinder, working pressure 30 kg/cm², of capacity 55.3 m³/h, water cooled, MATSUBARA MH-108.
Emergency Air Compressor, one stage, working pressure 30 kg/cm², of capacity 10.5 m³/h, SANWA Diesel SKH-2Y (3 HP).
- 2 Main Starting Air Receivers for M/E of capacity 0.7 m³, working pressure 30 kg/cm².
 - Starting Air Receiver for A/E, of capacity 0.3 m³, working pressure 30 kg/cm².
- STEERING GEAR:** HATLAPA Electro-Hydraulic 2 Ram, 4 Cylinder.
Teleram R4L 250, Rudder angle 2 x 35 degrees.
Max. Rudder torque 160 KNm.
- PUMPS:**
- S/B Main Engine Lub. Oil Pump of capacity 55 m³/h, 45 mwc, Heishin M-65B.
 - D.O. transfer pump of capacity 10 m³/h, 25 mwc, FRAMO SO9: 2 1/2" x 2 1/2".
 - H.F.O. transfer pump of capacity 10 m³/h, 25 mwc, FRAMO BO9: 2 1/2" x 2 1/2".
 - Lub. Oil transfer pump of capacity 6 m³/h, 25 mwc, FRAMO BO7, 1 1/2" x 1 1/2".
 - Sludge transfer pump of capacity 5 m³/h, 25 mwc, FRAMO SO7, 1 1/2" x 1 1/2".
 - 2 Main Engine F.W. cooling pumps of capacity 100 m³/h, 20 mwc, Heishin VK-220E.
 - 2 Main Engine S.W. cooling pumps of capacity 120 m³/h, 20 mwc, Heishin VK-220E.
 - 2 Main Engine fuel oil feed pumps of capacity 1.5 m³/h, 60 mwc, Heishin MA-2B.
 - GS Pump of capacity 69 m³/h, 60 mwc, FRAMO 4VF-1.
 - Ballast pump of capacity 180 m³/h, 25 mwc, FRAMO VH200-150Z.
 - Fire pump of capacity 60 m³/h, 60 mwc, FRAMO 4VF-1.
 - S.W. Hydrophore pump of capacity 5 m³/h, 25 mwc, SIHI AOHA 3602 AN 001.320.
 - 2 F.W. Hydrophore pumps of capacity 5 m³/h, 25 mwc, SIHI AOHA 3602 AN 001.320.
 - Emergency fire pump diesel driven of capacity 60 m³/h, 72 mwc, DEMSI.

- OTHER EQUIPMENT:**
- SASAKURA ATLAS, AFGU S21 fresh water generator of capacity 10 tonnes/day
F.W. Generating System Destillate Pump of capacity 0.8 m³/h, 30 mwc, Teikuku, 50 x 25 MSS-E.
F.W. Generating System Ejector Pump of capacity 18 m³/h, 48 mwc, Teikuku, 50 CSM.
Katadyn FW Sterilizer, Multus JI/SA, 7 m³/h.
Salinity Alarm KE-150.
 - 2 MITSUBISHI SJ-3000 self-cleaning heavy fuel oil separators of capacity 2800 lt/h.
 - MITSUBISHI SJ-3000 self-cleaning lub oil separator of capacity 3200 lt/h.
 - MITSUBISHI SJ-3000 self-cleaning diesel oil separator of capacity 3200 lt/h.
 - TAIKO KIKAI UST-30N bilge water separator of capacity 3 m³/h, bilge water separator pump of capacity 3 m³/h, 30.0 mwc, Taiko Kikai/LD-3NS.
Oil Content Meter, DECKMA, OCD1M, 15 ppm
 - HARISON-SANGIYO 350 fresh water electric heater of capacity 800-1000 lt/h.
 - TAIKO SHIP clean BFT 40 SEWAGE treatment plant of capacity 2400 lt/day.
Sewage Pump, 1 m³/h, 20 mwc, Taiko Kikai/HNP-201.
 - Air-Condition: NOVENCO HI-PRESS ZTH-4.
AC Compressor: SABROE CMO 16 (R22)
AC Condensing Unit S.W. Pump of capacity 36 m³/h, 15.8 mwc, Merseer E65-3-402.
 - Provision Refrigeration Plant: Compressor, Sabroe BF03 (R22).
Cold Chamber Condensing Unit S.W. Pump of capacity 4 m³/h, 16.8 mwc, Merseer E32.3.152.
- MOORINGS:**
- 2 Anchor Windlass, Hydraulic Brattvag, B12.
Capstan, Hydraulic Brattvag, CM4185.

EQUIPMENT:

Equipment No. 1005/Eq. Numeral: U23
3 Stockless Bower Anchors 3060 kg each.
Stud link chain cable (grade 2), dia 50 mm, 495 m.
Towline 200 m min. breaking strength 61500 kg.

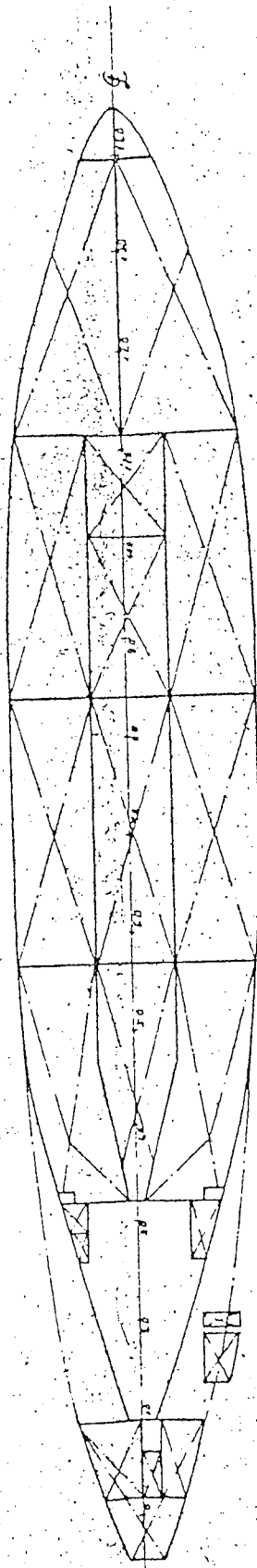
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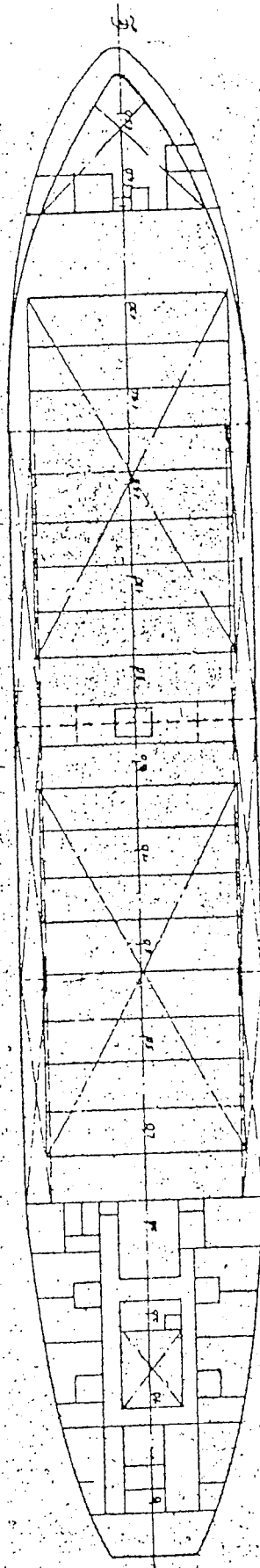
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TANKS



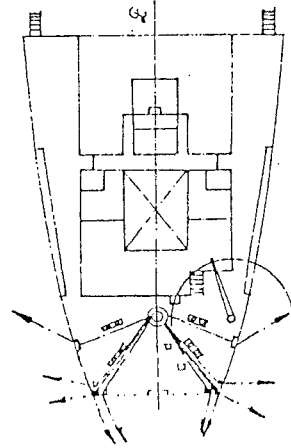
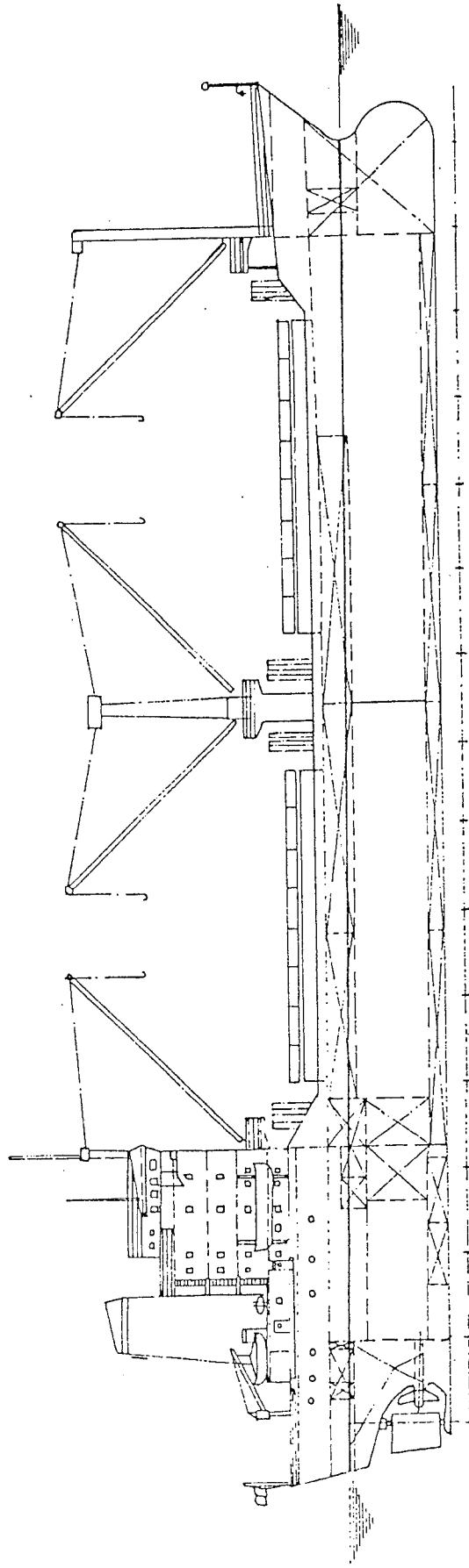
UPPER DECK



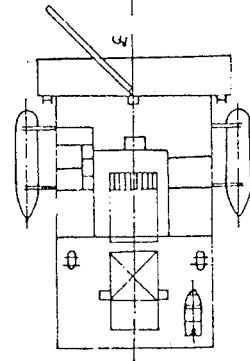
Deck Equipment

Two Single derrick cranes of 4/8 tons SWL

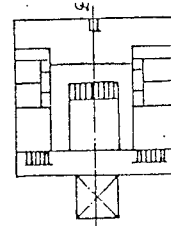
Two Single derrick cranes of 8/22 tons SWL



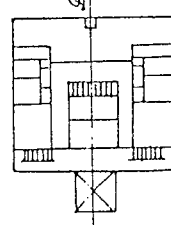
POOP DECK



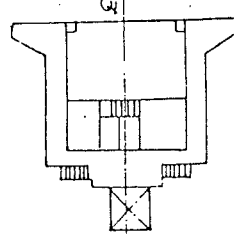
1. DECK



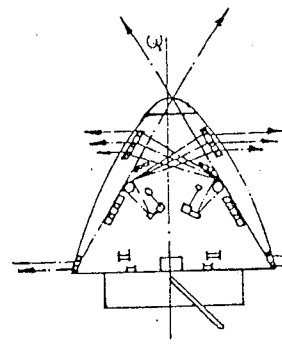
2. DECK



3. DECK



BRIDGE DECK



FORE CASTLE
DECK

MARTIN P.

