



MILLENNIUM SHIPPING AND TRADING S.A.C

Av Larco 743 of. 703 Miraflores (Lima18-Perú)
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212' OSV

NORTHERN ODIN

FOUR POINT MOORING / 10 FOOT DIAMETER MOON POOL / CORE DRILLING CAPABILITY / ROV-DIVING SUPPORT / SEISMIC SUPPORT



VESSEL PARTICULARS

FLAG	PANAMA
LENGTH	59.82 mts
BREADTH	13.41 mts
DEPTH	5.48 mts
GROSS TONNAGE	1,241 tons
NET TONNAGE	372 tons

CAPACITIES

DRILL/POTABLE WATER	20,286 USG
FUEL	160,585 USG
ENGINE LUBE OIL	4,088 USG
DIRTY OIL	1,914 USG
HYDRAULIC OIL	1,516 USG
PORT LOWER HOLDS	300 mt3
STARBOARD	300 mt3
DECK CLEAR AREA	539 mt2

MACHINERY

MAIN ENGINES 2 – V16-251 ALCO: SIXTEEN CYLINDER, AIR START, FRESH WATER COOLED BY RAW WATER HEAT EXCHANGERS 3240 SHAFT HP EACH AT 1,000 RPM, DIESEL ENGINES, EACH DRIVING REINTJES, MODEL WAV-3400, 4.476:1 MARINE REVERSE/REDUCTION GEARS COUPLED TO 11.5 IN-DIA TAIL SHAFT STAINLESS STEEL CLADDING WITH 188-IN-DIA X 100-IN-PITCH STAINLESS STEEL FIXED PITCH FOUR BLADE PROPELLER

GENERATORS 2 – CAT 3508-220-240-3 PHASED.
PORT GENSET ONE 12V- 71 280 KW, MODEL SR-4 220/240.
EMERGENCY GENERATOR THREE PHASE 75-KW GENERATOR UNIT

BOW THRUSTER 1 - BRUNVALL, MODEL SPT-AP400 MECHANICALLY POWERED BY ONE DETROIT DIESEL MODEL 12V-71-N, 400HP @ 1800 RPM, AIR MOTOR STARTED, FRESH WATER COOLED BY HEAT EXCHANGER, DIESEL ENGINE, THROUGH TWIN DISC, MODEL MG-514, 2.0:1 REDUCTIONGEAR TO 42-IN-DIA, TRANSVERSELY MOUNTED TUBE WITH SINGLE PROPELLER

WATER MAKER 1-ALFA-LAVAL, MODEL AFU IE07, 400 GALLONS PER DAY CAPACITY DISTILLER. 1-DELAVAL, MODEL 1-3-7

ANCHOR GEAR

1-HBL, MODEL 125 E-1 N WITH ABS- 9- SHOTS-1 ¼"

FOUR POINT MOORING SYSTEM

TWO CLYDE, MODEL AD-175 DOUBLE DRUM WATERFALL WINCHES AND FOUR 8,000 LBS STOCKLESS ANCHORS

PERFORMANCE

MAXIMUM SPEED 15 Knots

PAG 1

ACCOMMODATIONS

CABINS/BERTHS	11/31
VIP CABINS	1
GALLEY CAPACITY	15
TOILETS	6
SHOWERS	7

ELECTRONIC & CONTROLS

GLOBAL POSITIONING DEVICE TWO (2) FURUNO, MODEL GP-37
WAAS/GPS UNITS

RADAR TWO (2) FURUNO, X/S BAND BLACK BOX
MODEL FAR-21X7, ARPA WITH AIS ID DISPLAY

CHART PLOTTING SOFTWARE NOBELTECH, VERSION VSN-11

VIDEO SOUNDER ONE (1) FURUNO, MODEL FE-700

COMPASS ONE (1) DIRIGO 6-IN-DIA.

GYRO COMPASS ONE (1) SIMRAD MODEL CG-80

GYRO REPEATERS TWO (2) SIMRAD MODEL AR-80

AUTO PILOT ONE (1) SIMRAD, MODEL AP-50

AIS ONE (1) FURUNO, MODEL FA-150

GMDSS ONE (1) FURUNO, MODEL RC-1800T AREA
3 CONSOLE WITH TWO FURUNO MODEL IB-583 TERMINALS, ONE (1)
FURUNO MODEL FS-1570/2570 ONE (1) FURUNO MODEL FM-8800S/D AND
TWO OKI PRINTER UNITS.

ANEMOMETER/VANE ONE (1) YOUNG, MODEL 06206
WIND TRACKER

NAV-TEC RECEIVER ONE (1) FURUNO MODEL NX 700A

SATELLITE COMMUNICATIONS SYSTEM ONE (1) GMDSS COMPLIANT,
FURUNO, MODEL FELCOM 15, INMARSAT-C, EGC, INTERNET E-MAIL,
DISTRESS MESSAGE HANDLING, POLLING, AND DATA REPORTING UNIT WITH
10.4-IN COLOR LED DISPLAY

SHIP SECURITY ALERT SYSTEM ONE (1) FURUNO, MODEL FELCOM
16/15/12 WITH SSAS FACILITY

VHF RADIOTELEPHONE ONE (1) SAILOR MODEL 6216
DSC

SATELLITE TELEPHONE ONE (1) SAILOR MODEL SC4000
IRIDIUM\

LOUD Hailer ONE (1) FURUNO MODEL LH-3000



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SAFETY & ALARM SYSTEMS

ALARM SYSTEM ELMORE ELECTRICE PLC MULTI PROGRAMABLE SYSTEM. OUTPUT CAPACITY 98 CIRCUITS CONNECTED TO ALARM AND SHIP SYSTEMS

GENERAL ALARMS AUDIBLE AND VISUAL WITH BELLS AND BEACONS IN DESIGNATED CREW AREAS

SMOKE/FIRE ALARM HONEYWELL, MODEL FIRE LITE MD-10 UD AUDIBLE DN VISUAL SYSTEM PANEL WITH 6 SEPARATE REPORTING ZONES LOCATED IN PILOT HOUSE.

CRANES

HYDRAULIC DECK CRANES (2)

ONE (1) AURORA, MODEL 50KTNC4000, 50FT RADIUS EXTENSION BOOM CRANE WITH SAFE WORKING LOAD OF 4, 000 LBS AT ANY RADIUS.

ONE (1) AURORA, MODEL 12 TONS 50FT RADIUS EXTENSION BOOM CRANE WITH SAFE WORKING LOAD OF 4,000LBS AT ANY RADIUS.

LIFE SAVING EQUIPMENT

RESCUE BOAT ONE (1) HURRICANE H 472 SOLAS NED DECK MARINE SOLAS DAVIT SCH 12-3.5 R

LIFE RAFTS FOUR (4) PROVISIONED, USCG/SOLAS APPROVED. PORT SIDE ONE 20 PERSON AND ONE 10 PERSON, STARBOARD SIDE ONE 20 PERSON AND ONE 10 PERSON INFLATABLE NEW LIFE RAFTS, VESSELS NAME LETTERED THEREON, LOCATED IN HYDROSTATIC RELEASE IN RACKS ALONG SIDE OF DECK HOUSE. NEXT RAFT INSPECTON DUE 12-2012: ALL HYDROSTATIC RELEASE RENEWALS DUE 12-2012

DOCUMENTATION

CLASS RS (Russian Registry) IACS STANDARDS
SOLAS YES
YEAR BUILT 1979
REBUILD/CONVERTED 2011 Northlake Shipyard, Seattle, WA.

