**СЕВЕРНАЯ ЗЕМЛЯ / SEVERNAYA ZEMLYA**

MV SEVERNAYA ZEMLYA

1. VESSEL DESCRIPTION

TYPE: BULK CARRIER, SINGLE DECKER

BUILT: APRIL 2009 SHIPYARD: CHENGXI SHIPYARD

FLAG: RUSSIAN

PORT OF REGISTRY: MURMANSK

CLASS: KM(STAR) ARC4 [I] AUT1 BULK CARRIER BC-A (ESP)

CLASSIFICATION SOCIETY: RUSSIAN MARITIME REGISTER OF SHIPPING

IMO / LLOYD'S NO: 9551923

OFFICIAL NO : 080452

CALL SIGN: UBVF4

FLEET-77 TEL : 764909963, 764909964

FAX: 764909965

INMARSAT-C: 427302589, 427302588

MMSI NO.: 273337230

LOA: 180.5 MTRS

LBP: 173.28 MTRS

BREADTH MOULDED: 22.86 MTRS

DEPTH MOULDED: 13.50 MTRS

MODUL /LXBXD/: CBM

HATCHES/HOLDS: 7/7

NATIONALITY/NUMBER OF OFFICERS: RUSSIAN 9

NATIONALITY/NUMBER OF CREW: RUSSIAN 10

2. DRAFTS/FREEBOARD/DEADWEIGHT MTRS/MTRS/MTNS

SUMMER 9,91/3,62 / 23645

WINTER 9,71/3,82 / 22919

TROPICAL/ SW 10,12/3,41 / 24412

TROPICAL FRESH FWA ON SUMMER DRAFT 218 MM

LOADED SUMMER TPC 36,4 MTNS/CM

CONSTANT: = 20 MTNS

3.TONNAGE GROSS/NETTO

INTERNATIONAL 15868 / 7206

SUEZ 16308.35 / 12598.08 (BY DANUBE RULE)

PANAMA 53863 CUB.M

4.HOLDS

CARGO HOLDS CAPASITY

GRAIN CBM GRAIN CBFT

HOLD 1 2170,7 76657,6

HOLD 2 4430,5 156461,6

HOLD 3 3139,3 110863,3

HOLD 4 4604,4 162602,9

HOLD 5 3164,8 111763,9

HOLD 6 4737,3 167296,2

HOLD 7 3050,9 107741,5

TOTAL 25297,9 893386,9

CONTAINER CAPACITY IN UNITS 20/40 FEET

HOLD1 HOLD2 HOLD3 HOLD4 HOLD5 HOLD6 HOLD7 TOTAL

HOLD 32/16 50/25 50/25 50/25 50/25 50/25 50/25 332/166

DECK 4/- 8/4 8/4 8/4 8/4 8/4 8/4 52/24

HATCH 16/8 20/10 20/10 20/10 20/10 20/10 20/10 136/68

TOTAL 520/258

CONTAINER FITTED: VSL HAS CONTAINER SOCKETS, BUT NOT ON BOARD

CONTAINER LASHING MATERIAL

HOLDS DIMENSIONS 1 2 3 4 5 6 7

LENGTH 20,30 17,40 17,60 18,40 17,6 18,40 17,60

BREADTH 10,80 22,00 13,50 22,00 13,5 22,00 13,50

HEIGHT 10,52 13,50 13,50 13,50 13,5 13,50 13,50

TANKTOP DIMENSIONS 1 2 3 4 5 6 7

LENGTH 17,50 15,80 16,00 16,80 16,00 16,00 15,20

BREADTH 10,80 18,00 13,50 18,00 13,50 18,00 13,50

ATTENTION: REAL LENGTH, BREADTH, HEIGHT ARE MAINLY MORE OR LESS

AND VARIOUS BEING DEPENDED ON CORRUGATION, FRAMING, HOPPER,

PLATES, HULL'S SHAPE

5.HATCHES DIMENSIONS 1 2 3 4 5 6 7

LENGTH 12,8 12,8 12,8 12,8 12,8 12,8 12,8

BREADTH 10,8 13,5 13,5 13,5 13,5 13,5 13,5

HEIGHT OF HATCH COAMINGS 1.5

HATCH COVERS TYPE: HYDRAULIC FOLDING TYPE

METHOD OF OPENING: ELECTRICAL REMOTE CONTROL/HYDRAULIC

6. MAX PERMISSIBLE LOADS (T/SQ.M):

1 2 3 4 5 6 7

HATCHE COVERS: 1,75 1,75 1,75 1,75 1,75 1,75 1,75

TANK TOP: 22,50 12,50 29,00 18,50 29,00 12,50 29,00

UPPER DECK: 1,75

MAX LOAD(EVENLY): 4820 4410 7340 6800 7340 4730 7220 MTNS

TYPE OF COATING: RED MULTISTRENGHT

MANUFACTURER: INTERNATIONAL INTERSHIELD 300

7.MAIN ENGINE (ME): MAN & BW, RUSSIA,

ME DESCRIPTION: 2S 6 CYL

ME DESIGN: MAN B&W, 6S50MC-C

ME BORE & STROKE: 500 X 2000

OUTPUT(KW/BHP)/RPM: 9480 KWT(12900 BHP)/127

FUEL GRADE: IFO 380 CST (RMG 380)

8.AUXILLARY DIESELS: 3 TYPE: ME + 2,7 MTS AUX.DIESEL OF IFO 380

MANUFACTIRER: DAIHATSU DIESEL MFG,

OUTPUT (KW/BHP): 680

RPM: 720

FUEL GRADE: IFO-380 CST (RMG 380)

GENERATORS: 3 X 645 KW

9.ONE FIXED PROPELLER RIGHTHAND. DIAM: 5150 MM

MEAN PITCH: 5015 MM

WEIGHT: 19000 KG

10.ONE EVAPORATOR SVA25,ERFURT,GERMANY

DAILY PRODUCTION: 625 LITRS/HOURS (17 MTS/DAY)

11.CONSUMPTION

SERVICE SPEED/DAILY CONSUMPTION

SEA LOADED PASSAGE:

9.5 KNOTS - 12.3 MTS ME + 2.7 MTS AUX.DIESEL OF IFO 380

13.0 KNOTS - 24.5 MTS ME + 2.7 MTS AUX.DIESEL OF IFO 380

13.5 KNOTS - 26.0 MTS ME + 2.7 MTS AUX.DIESEL OF IFO 380

SEA BALLAST PASSAGE:

10.0 KNOTS - 12.0 MTS ME + 2.7 MTS AUX.DIESEL OF IFO 380

13.0 KNOTS - 23.5 MTS ME + 2.7 MTS AUX.DIESEL OF IFO 380

14.0 KNOTS - 26.0 MTS ME + 2.7 MTS AUX.DIESEL OF IFO 380

TO OPERATE WITH PARTLY LOADED M.ENGINE WHEN THE SHIP IS

ENTERING OR LEAVING PORT FOR MANOEUVRING IN SHALLOW AND

NARROW WATERS OR STEAMING IN VERYHIGH SEA, ICE, SO ON ,

IT IS NECESSARY ADDITIONAL USE 2,5 MT OF IF0-380 FOR BOILER

IN PORT IDLE - 2.7 MTS IFO 380

BALLASTING/DEBALLASTING: 3,4 MT IFO380

FUEL OIL FOR BOILER IS REQUIRED: 2,5 MT IFO380

IN CASE OF OUTSIDE TEMPERATURE LESS THAN +5 DEG(C) ADDITIONALY

2,0 MTS IFO FOR BOILERS IS REQUIRED

I.E TTL 2.5 FOR BOILERS IN CASE OF OUTSIDE TEMP -30-40 DEG(C),

IN EU PORTS REQUIRED MGO WITH LESS 0,1 PERCENT: 2,7 MTS FOR AE

AND PLUS 2,0 FOR BOILER TOTAL 4,7 MTS

N CASE OF OUTSIDE TEMPERATURE LESS THAN +5 DEG(C) ADDITIONALY

2,0 MTS IFO FOR BOILERS IS REQUIRED

I.E TTL 2.5 FOR BOILERS IN CASE OF OUTSIDE TEMP -30-40 DEG(C),

SAID COMSUMPTION INDICATED FOR GOOD WEATHER CONDITIONS -

ARE UNDERSTOOD TO MEAN ALL WEATHER CONDITIONS NOT EXCEEDING

WIND FORCE BEAUFORT 4 AND SEA STATE 3 (DOUGLAS SCALE).

12.TANK CAPACITY

WATER BALLAST TANKS CAPACITY/1,025 T/CBM/:TOTAL 9566 CBM/9805 MTNS

FUEL OIL TANKS CAPACITY-0,991 T/CBM/INCL OVERFLOW TANK:

TOTAL 1133CBM/1088 MTS

DIESEL OIL TANKS CAPACITY-0.9 T/CBM/: 314.6 CBM/262,1 MTNS

LUBRICATING OIL TANKS CAPACITY /0.9 T/CBM/: 82,9 CBM/74,6 MTNS

INC ALL SLUDGE AND DIRTY TANKS: 171,8 CBM/168,4 MTNS

FRESH WATER TANKS CAPACITY: 223,4 CBM

UNPUMPABLE TANK RESIDUES: IFO 6 MTS,MDO 3 MTS,FW 0

BALLAST 20 MTS FOR ALL TANKS

13.BALLASTING/DEBALLASTING SYSTEM.

BALLAST PUMP: 1 X 500 MTS/HOUR

BALLASTING TIME: 20 HRS

DEBALLASTING TIME: 23 HRS

LOCATION OF THE BUNKERING STATION: PORT-FRAME 46/46,STBD-FRAME 46/46

PIPELINE DIAM: 190/100 MM

CONNECTING FLANGE DESCRIPTION: IFO-DIAM 340 MM, 8 HOLES X 22 MM

MDO-DIAM 285 MM, 8 HOLES X 22 MM

MAX PRESSURE: 2,5 KGS/SQ.CM / 2,5 KGS/SQ.CM

MAX PERMITTED BUNKERING RATE: 120 CBM/HOUR / 80 CBM/HOUR

14.DISTANCES

HEIGHT OF HATCH COAMINGS: 1.50 M

DISTANCE FROM SHIPS RAIL TO INSIDE HATCH COAMING: 4.68 M (HOLDS NO 2-7); 5.88 M (HOLD NO 1)

HEIGHT FROM KEEL TO TOP OF AERIAL: 42,00 M

HEIGHT FROM KEEL TO MAINDECK CONTRELINE: 13.50 M

HEIGHT FROM KEEL TO TOP OF HATCH COAMING: 15.00 M

HEIGHT FROM SUMMER LOAD W/L TO TOP OF COAMING: 5.10 M

HEIGHT FROM W/L IN FULL BALLAST TO TOP OF COAMING: 8.96 M

AIR DRAFT IN MAX LOAD SUMMER CONDITION: 32.10 M

AIR DRAFT IN FULL BALLAST CONDITION: 36.00 M

DISTANCE FROM FORWARD END NO.1 HATCH TO AFTER END NO.7 HATCH: 120.68 M

15. EVERY CARGO HOLDS ARE EQUIPPED WITH MECHANICAL VENTILATION

FOR 6 AIR-EXCHANGS PER HOUR

16. ALL KIND OF MANAGEMENT

OWNERS: MURMANSK SHIPPING COMPANY,

KOMINTERNA 15,

183038 MURMANSK, RUSSIA

TEL:+7 8152 481048

FAX:+7 8152 481065

E-MAIL:POSTMASTER@MSCO.RU

17. CLASSIFICATION SOCIETY: RUSSIAN MARITIME REGISTER OF SHIPPING

18. OTHERS

RADAR MAST WITH ANTENA: 42,00 MTRS (ABOVE KEEL)

MOORING ROPES : 12 X 190 M SYNTHETIC

LASHING FOR CARRIAGE OF TIMBER: AVAILABLE WITH TRAPEZOIDAL

STOWAGE ON HATCH COVERS/DECK.

SHOES FOR STENCHIONS: NO

AUSTRALIAN APPROVED HOLD LADDERS FITTED: YES SPIRAL LADDERS IN DUCT

CO2 FITTED: YES

ITF FITTED: EQUIVALENT

GRAIN FITTED: YES

ELECTRIC VENTILATION: YES + (NATURAL VENTILATION)

GREAT LAKES FITTED: YES (DWT ABT 16000 MT )

ALL DETS ABOUT AND WOG

END DESCRIPTION