**ЗАПОЛЯРЬЕ / ZAPOLYARYE**

MV ZAPOLYARYE

1. VESSEL DESCRIPTION

TYPE: BULK CARRIER, SINGLE DECKER

DATE OF CONTRACT FOR CONSTRUCTION: 05-AUGUST-2005

DATE OF KEEL LAID: 16-NOVEMBER-2007

DATE OF DELIVERY: 13-AUGUST-2008

SHIPYARD: CHENGXI SHIPYARD, JIANGYIN/CHINA

FLAG: RUSSIAN

PORT OF REGISTRY: MURMANSK

CLASSIFICATION SOCIETY: RUSSIAN MARITIME REGISTER OF SHIPPING

REGISTERED NUMBER: 070395

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

IMO NUMBER: 9524205

MMSI NUMBER: 27338310

CALL SIGN: UBEF5

LOA: 180.50 MTRS

LBP: 173.28 MTRS

DEPTH MOULDED: 13.50 MTRS

BREADTH MOULDED: 22.86 MTRS

HATCHES/HOLDS: 7/7

VSL HAVE CRANES FOR LIFTING PROVISIONS AN SPARE PARTS ONLY

-LOCATION SUPERSTRUCTURE PORT AND STARBOARD SIDE:

-HYDRAULIC SLEWING CRANE SWL=0,95 MTS - FOR LIFTING PROVISION

-TELESCOPIC MONO-RAIL CRANE SWL=3,0 MTNS - FOR LIFTING SPARE PARTS

NATIONALITY/NUMBER OF OFFICERS: RUSSIAN 09

NATIONALITY/NUMBER OF CREW: RUSSIAN 10

INMARSAT FLEET-77 TEL: +870-764872116 – NAVIGATION BRIDGE

TEL: +870-764872117 – MASTER CABIN

FAX: +870-764872118

INMARSAT-C: 427302173 / 427302174

2. DRAFT / FREEBOARD / DEADWEIGHT / DISPLACEMENT

SUMMER 9,910 M / 3,618 M / 23645 MTNS / 31754 MTNS

WINTER 9,704 M / 3,824 M / 22898 MTNS / 31008 MTNS

TROPICAL 10,116 M / 3,412 M / 24395 MTNS / 32505 MTNS

ALLOANCE FOR FRESH WATER FOR ALL FREEBOARDS: 218 MM

TPC 36,3 MTNS - LOADED ON SUMMER SW DRAFT

LIGHT SHIP: 8109,5 MTNS

CONSTANT: 115 MTNS

3. TONNAGE GROSS/NET

INTERNATIONAL 15868 / 7206

SUEZ CANAL

GT=46199.30CB.M / 16308.35TNS OF 100CB.FT

NT=41811.54CB.M / 14759.47TNS OF 100CB.FT (IF A SAILING SHIP)

NT=35688.62CB.M / 12598.08TNS OF 100CB.FT (BY DANUBLE RULE)

PANAMA CANAL 53863

4. HOLDS

CARGO HOLDS CAPACITY

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

HOLDS: 32/16 50/25 50/25 50/25 50/25 50/25 50/25 332/166

DECK: 2/- 8/4 8/4 8/4 8/4 8/4 8/4 50/24

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

TOTAL 518/258

CONTAINER FITTED: VSL HAS CONTAINER SOCKETS, BUT

HAS 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: HYDRROLIC FOLDING TYPE

METHOD OF OPENING: ELECTRICAL REMOTE CONTROL/HYDRAULIC

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

1 2 3 4 5 6 7

HATCH 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

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

UPPER DECK: 1,75

TYPE OF COATING: RED MULTISTRENGHT

MANUFACTURER: INTERNATIONAL INTERSHIELD 300

7.MAIN ENGINE (ME): MAN B&W, 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 RPM

FUEL GRADE: IFO 380 CST (RMG 380)

8.AUXILLARY DIESELS: 3 Х TYPE 6DK-20

MANUFACTIRER: DAIHATSU DIESEL MFG.CO.,LTD.

OUTPUT (KW): 770 KW

RPM: 720

FUEL GRADE: IFO-380 CST (RMG 380)

GENERATORS: 3 X 680 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 (15 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

SAID COMSUMPTION INDICATED FOR GOOD WEATHER CONDITIONS -

ARE UNDERSTOOD TO MEAN ALL WEATHER CONDITIONS NOT EXCEEDING WIND

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

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

LEAVING PORT AND FOR MANOEUVRING IN SHALLOW AND NARROW WATERS OR

STEAMING IN VERY HIGH SEA, ICE AND SO ON, IT IS NECESSARY TO USE 2,5

TN OF IFO-380 FOR BOILER

IN PORT IDLE:

- 2.2 TN AUX.DIESEL + 2,5 TN FOR BOILER = 4,7 MTNS of IFO 380

BALLASTING/DEBALLASTING:

- 2,5 TN AUX.DIESEL + 2,5 TN FOR BOILER = 5,0 MTNS of IFO 380

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

ADDITIONALY 2,0 MTS IFO FOR BOILERS IS REQUIRED

12. TANK CAPACITY

WATER (1,025) BALLAST TANKS CAPACITY: 9566,5 CBM/9805,7 MTNS

FUEL OIL (0,98) TANKS CAPACITY INCL OVERFLOW TANK: 1133,0 CBM/1088,1 MTS

DIESEL OIL (0,85) TANKS CAPACITY: 314,6 CBM/262,1 MTNS

LUBRICATING OIL (0,9) TANKS CAPACIT: 82,9 CBM/70,1 MTNS

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

FRESH WATER TANKS CAPACITY: 223,4 CBM/223,4 MTNS

UNPUMPABLE TANK RESIDUES: IFO = 9 MTS, MDO = 1 MTS, FW = 0

BALLAST WATER = 20 MTS FOR ALL TANKS

13. BALLASTING/DEBALLASTING SYSTEM.

BALLAST PUMP: 1 X 500 MTS PER 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: 150 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 ST. 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 POLY

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

APPENDIX B FITTED - YES

ELECTRIC VENTILATION: YES + (NATURAL VENTILATION)

GREAT LAKES FITTED: YES (DWT ABT 16000MT)

ALL DETS ABOUT AND WOG

END DESCRIPTION