

VESSEL SPECIFICATIONS
(All Details about and without guarantee)

VESSEL

Ikan Serong

EX-NAME	N.A.
REGISTRY	Singapore
OFFICIAL NO	389248
CALLSIGN	S6CF5
IMMARSAT C GMDSS	456331840
INMARSAT TEL	356331850
INMARSAT FAX	356331860
INMARSAT TLX	356331880

OWNERS	Serong Shipping Pte Ltd
MANAGERS	Pacific Ship Managers Sdn Bhd
CLASS	Nippon Kaiji Kyokai
CLASS ID NUMBER	012881
CLASS NOTATION	NK, NS*, Bulk Carrier, Strengthened for heavy cargoes, Hold no. 2 & 4 may be empty, MNS*(MO)

TONNAGE

GROSS

NETT

REGISTERED	27,986.00	17,077.00
SUEZ	28,842.40	26,293.43
PANAMA	N.A.	N.A.
YEAR BUILT	2001	
KEEL LAID	30-May-2001	
LAUNCHED	10-August-2001	
BUILDER	Mitsui Engineering & Shipbuilding Co. Ltd, Tamano, japan	
HULL NUMBER	1529	

VESSEL TYPE	Dry Bulk Carrier
ICE CLASSED	No
NUMBER OF DECK	1
SERVICE SPEED	14 knots
ECONOMICAL SPEED	13 knots
FORECASTLE	Raised
POOP DECK	Flushed
NUMBER OF DECK HOUSES	4
BOW TRUSTER	No
NUMBER OF SCREWS	1
TYPE OF PROPELLER	Fixed Pitch, 4 Blades
SPARE PROPELLER	No
SPARE PROPELLER SHAFT	No

L.O.A.	189.90 M
L.B.P.	181.00 M
BREADTH	32.26 M

DEPTH	16.90 M
DRAFT	11.925 M
DEADWEIGHT	50,296 MT
DISPLACEMENT	58,136 MT
TPC (SUMMER DRAFT)	53.47 M
F.W. ALLWNCE @ SUMMER DRAFT	0.271 M
CONSTANT	240 MT
LIGHTWEIGHT	7,840 MT

<u>DISPLACEMENT AND DRAFTDWT (MT)</u>		<u>DRAFT (M)</u>	<u>DISPLM'NT (MT)</u>
TROPICAL FRESHWATER	51,601	12.444	59,441
FRESHWATER	50,298	12.196	58,138
TROPICAL SEAWATER	51,628	12.173	59,468
SUMMER SEAWATER	50,296	11.925	58,136
WINTER SEAWATER	48,966	11.677	56,806

CARGO HOLDS

NUMBER OF HOLDS	5
NUMBER OF HATCHES	5

HOLD S	FR.NO	HATCH SIZE(MxM)	GRAIN(M3)	BALE(M3)
1	165 -198	17.60 x 17.96	11,074.2	10,624.2
2	132 - 165	20.24 x 17.98	13,113.9	12,566.8
3	99 - 132	20.24 x 17.98	13,111.4	12,514.3
4	66 - 99	20.24 x 17.98	13,216.9	12,662.7
5	31 - 66	20.24 x 17.98	12,681.9	12,344.7
6	N.A.	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.	N.A.

TWEEN HOLDS (IF APPLICABLE)

HOLD S	FR.NO	HATCH SIZE(MxM)	GRAIN(M3)	BALE(M3)
1	N.A.	N.A.	N.A.	N.A.
2	N.A.	N.A.	N.A.	N.A.

CARGO HOLD TANKTOP DIMENSIONS EXCLUDE CORRUGATIONS AND SLOPES

HOLD	FORWARD (M)	AFT (M)	LENGTH (M)
1	6.24	23.4	25.6
2	23.4	23.4	25.3
3	23.4	23.4	25.3
4	23.4	23.4	25.6
5	23.4	8.9	26.4
6	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.

FEATURES OF CARGO HOLDS

HOLDS VENTILATION	Natural
IF FORCED,NBR OF AIR CHANGE/MIN	N.A.
BALLAST CARGO HOLD	No. 3
WHETHER OTHER HOLDS ARE TO BE BALLASTED TO REDUCE AIR DRAFT IN PORT	No
IF SO, STATE THE HOLD/S	N.A.
IF SO, STATE BALLAST QUANTITIES EACH HOLD	N.A.
UPPER WING TANKS IN ALL HOLDS	Yes
UPPER WING TANKS CONSTRUCTION	Sloping
LOWER HOPPER TANKS IN ALL HOLDS	Yes
UPPER STOOL IN WAY OF BULKHEADS	Yes
LOWER STOOL IN WAY OF BULKHEAD	Yes
BLEEDING UPPER WING TANKS	No
ORE STRENGTHENED	Yes
ALTERNATE HOLD LOADING	Yes
HOLDS USED FOR ALTERNATE LOADING	No. 01, 03, 05
ALTERNATE LOADING MAX CARGO	48,816 MT
CARGO BATTENS FITTED	No
BATTENS PERMANENT TYPE	N.A.
IF NO, ANY PROVISIONS MADE FOR BATTENS	N.A.
IF SO, FITTINGS AND BATTENS ONBOARD?	No
IN WHICH HOLDS ?	N.A.
LOCATION OF BATTEN - SHIPSIDE P/S	N.A.
LOCATION OF BATTEN - BULKHEAD F/A	N.A.
LOCATION OF BATTEN - TANKTOP	N.A.
AUSTRALIAN HOLD LADDERS	Yes
CO2 FITTED IN HOLDS	No
SMOKE DETECTOR FITTED IN HOLDS	No

GRAIN LOADING APPROVAL

CERTIFIED GRAIN LOADING BOOKLET ONBOARD	Yes
GRAIN LOADING BOOK COMPLY WITH CHAPTER V1 SOLAS 74	Yes
IF OTHERWISE, STATE	N.A.
CERTIFIED BY CLASS FOR ADMINISTRATION OR OTHER NATIONAL AUTHORATIES	Yes
CERTIFIED FOR UNTRIMMED ENDS	Yes

OTHER FEATURES OF CARGO HOLDS

IS VESSEL LOG FITTED	No
COLLAPSIBLE STANCHIONS	No
SOCKET FOR STANDCHIONS FOR DECK CARGO	No
MAXIMUM HEIGHT OF LOG CARGO ON DECK	N.A. M
LOOSE LOG LASHING MATERIALS ON BOARD	No
IS VESSEL CONTAINER FITTED?	No

CONTAINER FITTINGS PERMANENT ?	No
- IN HOLDS	No
- ON DECKS	No
- ON HATCH COVERS	No
FULL CONTAINER SHOES, LASHINGS ETC	N.A.
MAXIMUM PERMISSIBLE STACK LOAD	N.A.
- HOLDS	N.A.
- DECK	N.A.
- HATCH COVERS	N.A.
ANY REEFER POINTS	No
POSITION OF REEFER POINTS	No
MAX REEFER TEU ALLOWED	No

CONTAINER CAPACITY

HOLD	IN HOLDS	TWEEN DK	H-COVERS	MAIN DK
1	N.A.	N.A.	N.A.	N.A.
2	N.A.	N.A.	N.A.	N.A.
3	N.A.	N.A.	N.A.	N.A.
4	N.A.	N.A.	N.A.	N.A.
5	N.A.	N.A.	N.A.	N.A.
6	N.A.	N.A.	N.A.	N.A.

DECK STRENGTHS (MT/M²)

HOLD	TANKTOP	UPPER DECK	H-COVERS
1	20.0	3.7	1.75
2	16.0	3.7	1.75
3	25.9	3.7	1.75
4	16.0	3.7	1.75
5	20.0	3.7	1.75
6	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.

HATCH COVERS

MAIN DECK HATCH COVERS

MAKE:	Nakata Mac. Corp.
TYPE	Jack-knife fore-aft folding type
OPERATION SYSTEM	Hydraulic cylinders
SECURING SYSTEM	Quick acting cleats & screw cleats

TWEEN DECK HATCH COVERS

MAKE	N.A.
TYPE	N.A.

DISTANCES (in metres)

STERN TO FRONT OF SUPERSTRUCTURE	28.00 M
STERN TO AFT END AFTMOST HATCH	34.16 M
BOW TO FORWARD OF HATCH NO 1	21.88 M
FWD END OF HATCH NO 1 TO AFT END AFTMOST HATCH	133.76

SHIP'S RAIL TO OUTSIDE OF HATCH COAMING

HATCH	FORE (M)	MID (M)	AFT (M)
1	3.39	N.A.	5.87
2	5.98	N.A.	5.98
3	5.98	N.A.	5.98
4	5.98	N.A.	5.98
5	3.64	N.A.	5.52
6	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.

THICKNESS OF HATCH COAMING

LONGITUDINAL	94.2 MM
TRANSVERSE	78.5 MM

CENTRE OF HATCH FROM BOW AND STERN

HATCH	BOW (M)	STERN (M)
1	30.68	159.12
2	58.40	131.40
3	87.44	102.36
4	116.48	73.32
5	145.52	44.28
6	N.A.	N.A.
7	N.A.	N.A.

HEIGHTS (in metres)

KEEL TO HIGHEST POINT	48.40 M
KEEL TO TOP OF FUNNEL	37.80 M
KEEL TO TOP OF CRANES	36.08 M
KEEL TO TOP OF FWD SAMSON POST	N.A.
KEEL TO TOP OF AFT SAMSON POST	N.A.
KEEL TO DK LEVEL AT SS RAIL, MIDSHIP	16.90 M
KEEL TO DK LEVEL AT H-COAMING, MIDSHIP	17.45 M

HEIGHT KEEL TO TOP OF HATCH COAMING AND HATCH COVERS

<u>HOLD</u>	<u>HATCH COAMING</u>	<u>HATCH CVRS</u>
1	18.625	19.56
2	18.625	19.56
3	18.625	19.56
4	18.625	19.56
5	18.625	19.56
6	N.A.	N.A.
7	N.A.	N.A.

HEIGHT FROM WATERLINE TO TOP OF HATCH COAMINGS

HOLD NO	LIGHT SHIP	FULLY BALLAST	LOADED
1	17.65 / 17.42	10.56 / 10.51	6.84 / 6.81

2	17.30 / 17.03	10.49 / 10.43	6.79 / 6.75
3	16.91 / 16.64	10.41 / 10.35	6.73 / 6.69
4	16.52 / 16.25	10.33 / 10.27	6.67 / 6.63
5	16.13 / 15.86	10.25 / 10.19	6.62 / 6.58
6	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.

CARGO GEAR

NO OF CRANE: 4
 MANUFACTURER: Fukushima Ltd
 TYPE: Electric-hydraulic

CRANE NO	S.W.L. (LT)	LOCATION
1	30	Between hatch no. 1 & 2
2	30	Between hatch no. 2 & 3
3	30	Between hatch no. 3 & 4
4	30	Between hatch no. 4 & 5
5	N.A.	N.A.
6	N.A.	N.A.

MAXIMUM CRANE OUTREACH FROM SHIPSIDE WITH FULL LOAD/ANGLE FROM HORIZONTAL WHEN CRANE FULLY EXTENDED IN WORKING POSITION

CRANE	DISTANCE (M)	ANGLE
1	26	20 DEG
2	26	20 DEG
3	26	20 DEG
4	26	20 DEG
N.A.	N.A.	DEG
N.A.	N.A.	DEG

SPEEDS OF CRANES

HOISTING SPEED: 30 / 17 / 5 MT x 18.5 / 27.5 / 55.5 M/MIN
 SLEWING: 0.60 RPM
 LUFFING: 58 SECS

CAN 2 CRANES USE AN EQUALISING BEAM: No
 ELECTRIC CONNECTIONS FOR HYDRAULIC GRABS: Yes

IS UNION PURCHASE POSSIBLE?: No
 CAPACITY. OF UNION PURCHASE: N.A.
 CAN 2 CRANES WORK IN TANDEM?: No

BALLAST INFORMATION

TOTAL BALLAST CAPACITY INCLUDING BALLAST HOLD NO 3: 28,895.70 M³

DRAFT FULLY BALLASTED: FORE (M) AFT(M) MEAN

GTR 96% IFO/DO CAPACITY	7.93	8.95	8.44
GTR 10%IFO/DO CAPACITY	8.35	7.82	8.09
MAXIMUM DE-BALLASTING CAPACITY	1,200 M ³ /H		
BALLAST PUMP CAPACITY	600 M ³ /H		

BUNKER INFORMATION

100% IFO CAPACITY	1,883.9 MT
100% MDO CAPACITY	129.6 MT

FUEL OIL TANK	FRAME POS	IFO 100% (M ³)
NO 4 DB CENTRE	66 - 99	750.4
NO 5 DB CENTRE	30 - 66	429.7
NO DB CENTRE	N.A.	N.A.
NO DB CENTRE	N.A.	N.A.
NO DB CENTRE	N.A.	N.A.
DEEP FO TANK (P)	16 - 31	426.7
DEEP FO TANK (S)	23 - 31	243.1
HFO SETT TANK	27 - 29	17.0
HFO SERV TANK	24 - 27	17.0
HFO OVERFLOW TANK	27 - 31	15.7

DIESEL OIL TANK	FRAME POS	IFO 100% (M ³)
MDO (S) TANK	16 - 23	113.3
MDO (P) TANK	N.A.	N.A.
MDO SERV TANK	16 - 19	16.3
MDO SETT TANK	N.A.	N.A.

FRESH WATER INFORMATION

DAILY CONSUMPTION (EST)	10 MT
MAX TANK CAPACITY	336.20 MT
MAX DAILY WATER PRODUCTION	20 MT
CURRENT WATER PRODUCTION	20 MT

FRESHWATER GENERATOR

MAKER	Sasakura Engineering Co. Ltd
MODEL	KM-20
RATED CAPACITY	20 MT/DAY

SPEED AND CONSUMPTIONS

SPEED (KTS)	CONS (LOADED)	RPM	CONS (BALASTED)	RPM
10	N.A.	N.A.	N.A.	N.A.
10.5	N.A.	N.A.	N.A.	N.A.
11	N.A.	N.A.	N.A.	N.A.
11.5	N.A.	N.A.	N.A.	N.A.
12	N.A.	N.A.	N.A.	N.A.

12.5	N.A.	N.A.	N.A.	N.A.
13	22	109	19	103
13.5	25	114	21	106
14	28	118	24	111
14.5	32	123	27	116
15	36	128	30	121
15.5	N.A.	N.A.	N.A.	N.A.
16	N.A.	N.A.	N.A.	N.A.
16.5	N.A.	N.A.	N.A.	N.A.
17	N.A.	N.A.	N.A.	N.A.
17.5	N.A.	N.A.	N.A.	N.A.
18	N.A.	N.A.	N.A.	N.A.

CONSUMPTION AT SEA

DIESEL OIL CONSUMPTION 1.6 MT
 FUEL OIL CONSUMPTION (BOILER + GENERATOR) 0 MT

CONSUMPTION IN PORT

FUEL OIL 1 MT/DAY
 DIESEL OIL, IDLE 1.2 MT/DAY
 DIESEL OIL, WORKING 8 HRS 2.2 MT/DAY
 DIESEL OIL, WORKING 16 HRS 2.6 MT/DAY
 DIESEL OIL, WORKING 24 HRS 3 MT/DAY

TYPE OF FUEL OIL Actual 380 CST
 TYPE OF DIESEL OIL Estimate 6

MAIN ENGINE

MAKER Mitsui Engineering & Shipbuilding Co. Ltd
 MODEL Man B & W 6S50MC
 BORE 500 MM
 STROKE 2,000 MM
 MCR 8,090 kw (11,000 bhp) x 127 rpm
 NOR 6,875 kw (9,348 bhp) x 120.30 rpm

GENERATORS

NUMBER OF GENERATORS 3
 MAKER Yanmar Diesel Engine Co. Ltd
 MODEL 6N18AL

Document Created by: Vincent Lee

Date Created: 30-09-2002

-----E N D I N
 G-----