

VESSEL SPECIFICATIONS
(All Details about and without guarantee)

VESSEL

Ikan Acapulco

EX-NAME	Alam Acapulco
REGISTRY	Singapore
OFFICIAL NO	389274
CALLSIGN	9VID5
IMMARSAT C GMDSS	456305140
INMARSAT TEL	N.A.
INMARSAT FAX	N.A.
INMARSAT TLX	456305150
OWNERS	Acapulco Shipping Pte Ltd
MANAGERS	Pacc Ship Managers Pte Ltd
CLASS	Lloyd's Register
CLASS ID NUMBER	7374357
CLASS NOTATION	+100 A1, Bulk Carrier, Strengthened for heavy cargoes, Holds no.2 & 5 may be empty, ESP, LMC

TONNAGE

GROSS

NETT

REGISTERED	19,728.00	12,725.00
SUEZ	20,359.30	16,991.38
PANAMA	21,228.12	17,313.72
YEAR BUILT	1975	
KEEL LAID	07-April-1975	
LAUNCHED	27-June-1975	
BUILDER	Mitsui Shipbuilding & Engineering, Osaka Japan	
HULL NUMBER	1025	
VESSEL TYPE	Dry Bulk Carrier	
ICE CLASSED	No	
NUMBER OF DECK	1	
SERVICE SPEED	13.5 knots	
ECONOMICAL SPEED	12.5 knots	
FORECASTLE	Raised	
POOP DECK	Raised	
NUMBER OF DECK HOUSES	3	
BOW TRUSTER	No	
NUMBER OF SCREWS	1	
TYPE OF PROPELLER	Fixed Pitch, 4 blades	
SPARE PROPELLER	Yes	
SPARE PROPELLER SHAFT	Yes	
L.O.A.	179.00 M	
L.B.P.	170.00 M	
BREADTH	27.00 M	

DEPTH	14.80 M
DRAFT	10.96 M
DEADWEIGHT	34,255 MT
DISPLACEMENT	41,890 MT
TPC (SUMMER DRAFT)	41.50 M
F.W. ALLWNCE @ SUMMER DRAFT	0.252 M
CONSTANT	305 MT
LIGHTWEIGHT	7,635 MT

<u>DISPLACEMENT AND DRAFTDWT (MT)</u>		<u>DRAFT (M)</u>	<u>DISPLM'NT (MT)</u>
TROPICAL FRESHWATER	35,186	11.440	42,821
FRESHWATER	34,257	11.212	41,892
TROPICAL SEAWATER	35,204	11.188	42,839
SUMMER SEAWATER	34,225	10.960	41,890
WINTER SEAWATER	33,309	10.732	40,944

CARGO HOLDS

NUMBER OF HOLDS	6
NUMBER OF HATCHES	6

HOLD S	FR.NO	HATCH SIZE(MxM)	GRAIN(M3)	BALE(M3)
1	166 - 193	10.50 x 11.62	4,909	4,804
2	140 - 166	12.25 x 11.62	6,887	6,706
3	116 - 140	12.25 x 11.62	7,032	6,849
4	90 - 116	12.25 x 11.62	7,032	6,849
5	65 - 90	12.25 x 11.62	7,031	6,848
6	40 - 65	12.25 x 11.62	6,898	6,706
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	11.80	11.80	10.40
2	11.80	11.80	12.20
3	11.80	11.80	12.20
4	11.80	11.80	12.20
5	11.80	11.80	12.20
6	11.80	11.80	12.20
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
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	No
LOWER STOOL IN WAY OF BULKHEAD	No
BLEEDING UPPER WING TANKS	Yes
ORE STRENGTHENED	No
ALTERNATE HOLD LOADING	Yes
HOLDS USED FOR ALTERNATE LOADING	No. 1, 3, 4, 6
ALTERNATE LOADING MAX CARGO	31,915 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? 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	No
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/M ²)				
HOLD	TANKTOP	UPPER DECK	H-COVERS	
1	18.10	3.60	2.56	
2	18.10	3.60	2.56	
3	18.10	3.60	2.56	
4	18.10	3.60	2.56	
5	18.10	3.60	2.56	
6	18.10	3.60	2.56	
7	N.A.	N.A.	N.A.	

HATCH COVERS

MAIN DECK HATCH COVERS

MAKE:	MacGregor Far East
TYPE	Pan type single pulley
OPERATION SYSTEM	Wire Pulled type by electric winches
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	34.57 M
STERN TO AFT END AFTMOST HATCH	39.80 M
BOW TO FORWARD OF HATCH NO 1	120.4 M
FWD END OF HATCH NO 1 TO AFT END AFTMOST HATCH	118.89

SHIP'S RAIL TO OUTSIDE OF HATCH COAMING

HATCH	FORE (M)	MID (M)	AFT (M)
1	5.2	6.6	7.2
2	7.4	6.8	6.6
3	6.8	6.8	6.8
4	6.8	6.8	6.8
5	6.6	6.6	6.6
6	6.6	6.6	7.4
7	N.A.	N.A.	N.A.

THICKNESS OF HATCH COAMING

LONGITUDINAL	200 MM
TRANSVERSE	200 MM

CENTRE OF HATCH FROM BOW AND STERN

HATCH	BOW (M)	STERN (M)
1	25.0	154.0
2	44.8	134.2
3	67.4	111.6
4	88.6	90.4
5	111.2	67.8
6	132.4	46.6
7	N.A.	N.A.

HEIGHTS (in metres)

KEEL TO HIGHEST POINT	44.8 M
KEEL TO TOP OF FUNNEL	36.0 M
KEEL TO TOP OF CRANES	30.4 M
KEEL TO TOP OF FWD SAMSON POST	31.4
KEEL TO TOP OF AFT SAMSON POST	40.6
KEEL TO DK LEVEL AT SS RAIL, MIDSHIP	16.0 M
KEEL TO DK LEVEL AT H-COAMING, MIDSHIP	17.4 M

HEIGHT KEEL TO TOP OF HATCH COAMING AND HATCH COVERS

<u>HOLD</u>	<u>HATCH COAMING</u>	<u>HATCH CVRS</u>
1	16.8	17.4
2	16.8	17.4
3	16.8	17.4
4	16.8	17.4
5	16.8	17.4
6	16.8	17.4
7	N.A.	N.A.

HEIGHT FROM WATERLINE TO TOP OF HATCH COAMINGS

HOLD NO	LIGHT SHIP	FULLY BALLAST	LOADED
1	12.55	11.05	5.84

2	12.55	11.05	5.84
3	12.55	11.05	5.84
4	12.55	11.05	5.84
5	12.55	11.05	5.84
6	12.55	11.05	5.84
7	N.A.	N.A.	N.A.

CARGO GEAR

NO OF CRANE: 6
 MANUFACTURER: The Japan Steel Works Ltd
 TYPE: Nikko - Hagglungs, TD 1522

CRANE NO	S.W.L. (LT)	LOCATION
1	15	Between hatch no. 1 & 2
2	15	Between hatch no. 1 & 2
3	15	Between hatch no. 3 & 4
4	15	Between hatch no. 3 & 4
5	15	Between hatch no. 5 & 6
6	15	Between hatch no. 5 & 6

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

CRANE	DISTANCE (M)	ANGLE
1	8.5	8 DEG
2	8.5	8 DEG
3	8.5	8 DEG
4	8.5	8 DEG
5	8.5	8 DEG
6	8.5	8 DEG

SPEEDS OF CRANES

HOISTING SPEED 40 M/MIN
 SLEWING 1.35 RPM
 LUFFING 33 SECS

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

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

BALLAST INFORMATION

TOTAL BALLAST CAPACITY INCLUDING BALLAST HOLD NO 3 10,855.355 M³

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

GTR 90% IFO/DO CAPACITY	4.54	6.68	5.61
GTR 20%IFO/DO CAPACITY	4.41	6.13	5.27
MAXIMUM DE-BALLASTING CAPACITY	500 M ³ /H		
BALLAST PUMP CAPACITY	500 M ³ /H		

BUNKER INFORMATION

100% IFO CAPACITY	1,934.58 MT
100% MDO CAPACITY	201.073 MT

FUEL OIL TANK	FRAME POS	IFO 100% (M ³)
NO 23 DB CENTRE	115 - 166	673
NO 4 DB CENTRE	90 - 115	339.2
NO 56 DB CENTRE	37 - 90	630.2
NO DB CENTRE	N.A.	N.A.
NO DB CENTRE	N.A.	N.A.
DEEP FO TANK (P)	36 - 40	100.9
DEEP FO TANK (S)	36 - 40	100.9
HFO SETT TANK	36 -39	57.74
HFO SERV TANK	36 - 39	32.64
HFO OVERFLOW TANK	N.A.	N.A.

DIESEL OIL TANK	FRAME POS	IFO 100% (M ³)
MDO (S) TANK	23 -39	95.7
MDO (P) TANK	26 - 39	86.3
MDO SERV TANK	18 - 21	9.86
MDO SETT TANK	18 - 21	9.213

FRESH WATER INFORMATION

DAILY CONSUMPTION (EST)	12 MT
MAX TANK CAPACITY	223.6 MT
MAX DAILY WATER PRODUCTION	21 MT
CURRENT WATER PRODUCTION	21 MT

FRESHWATER GENERATOR

MAKER	Atlas, Denmark
MODEL	AFGU-5
RATED CAPACITY	21 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	16.0	85	14.7	85
12	19.0	90	17.5	90

12.5	22.0	95	20.6	95
13	24.5	98	23.0	98
13.5	26.0	100	24.0	100
14	30.1	105	27.8	105
14.5	N.A.	N.A.	N.A.	N.A.
15	N.A.	N.A.	N.A.	N.A.
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 1.9 MT
 FUEL OIL CONSUMPTION (BOILER + GENERATOR) 0.4 MT

CONSUMPTION IN PORT

FUEL OIL 0.4 MT/DAY
 DIESEL OIL, IDLE 1.4 MT/DAY
 DIESEL OIL, WORKING 8 HRS 2.4 MT/DAY
 DIESEL OIL, WORKING 16 HRS 2.8 MT/DAY
 DIESEL OIL, WORKING 24 HRS 3.2 MT/DAY

TYPE OF FUEL OIL Actual RME 25, ISO 8217(E), 180 CST
 TYPE OF DIESEL OIL Estimate DMB ISO 8217

MAIN ENGINE

MAKER Mitsui Shipbuilding & Engineering Co. Ltd, Tamano Works, Japan
 MODEL Man B & W 6K74EF
 BORE 740 MM
 STROKE 1,600 MM
 MCR 11,600 ps @ 124 rpm
 NOR 6,800 ps @ 96 rpm

GENERATORS

NUMBER OF GENERATORS 3
 MAKER Daihatsu Diesel Mfg. Co. Ltd
 MODEL 6PSHTb-26D

Document Created by: Vincent Lee

Date Created: 30-09-2002

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