

**VESSEL SPECIFICATIONS**  
**(All Details about and without guarantee)**

**VESSEL**

**Ikan Sepat**

EX-NAME	Trident Venture
REGISTRY	Singapore
OFFICIAL NO	384382
CALLSIGN	9VFZ
IMMARSAT C GMDSS	456304720
INMARSAT TEL	N.A.
INMARSAT FAX	N.A.
INMARSAT TLX	456304710
OWNERS	Sepat Shipping Pte Ltd
MANAGERS	Pacc Ship Managers Pte Ltd
CLASS	American Bureau of Shipping
CLASS ID NUMBER	8401218
CLASS NOTATION	+A1 E Bulk Carrier, +AMS, +ACCU

**TONNAGE**

**GROSS**

**NETT**

REGISTERED	17,210.00	10,759.00
SUEZ	18,372.01	15,213.35
PANAMA	18,485.00	15,213.00
YEAR BUILT	1984	
KEEL LAID	17-June-1983	
LAUNCHED	28-September-1983	
BUILDER	Mitsubishi Heavy Ind., Kobe Japan	
HULL NUMBER	1135	

VESSEL TYPE	Dry Bulk Carrier
ICE CLASSED	No
NUMBER OF DECK	1
SERVICE SPEED	15 knots
ECONOMICAL SPEED	12 knots
FORECASTLE	Raised
POOP DECK	Flushed
NUMBER OF DECK HOUSES	2
BOW TRUSTER	No
NUMBER OF SCREWS	1
TYPE OF PROPELLER	Fixed Pitch, 4 blades
SPARE PROPELLER	Yes
SPARE PROPELLER SHAFT	Yes

L.O.A.	179.898 M
L.B.P.	170.898 M
BREADTH	22.96 M
DEPTH	14.499 M
DRAFT	10.549 M
DEADWEIGHT	28,503 MT

DISPLACEMENT	34,835 MT
TPC (SUMMER DRAFT)	36.8 M
F.W. ALLWNCE @ SUMMER DRAFT	0.237 M
CONSTANT	304 MT
LIGHTWEIGHT	6,332 MT

<u>DISPLACEMENT AND DRAFT</u>	<u>DWT (MT)</u>	<u>DRAFT (M)</u>	<u>DISPLM'NT (MT)</u>
TROPICAL FRESHWATER	29,296	11.0055	35,628
FRESHWATER	28,505	10.7865	34,837
TROPICAL SEAWATER	29,309	10.7685	35,641
SUMMER SEAWATER	28,503	10.5495	34,835
WINTER SEAWATER	27,699	10.3305	34,031

### CARGO HOLDS

NUMBER OF HOLDS	5
NUMBER OF HATCHES	5

<u>HOLD</u>	<u>FR.NO</u>	<u>HATCH</u>	<u>GRAIN(M3)</u>	<u>BALE(M3)</u>
<u>S</u>		<u>SIZE(MxM)</u>		
1	156 - 181	12.8 x 10.8	5,657.0	5,257.0
2	124 - 156	19.2 x 10.8	7,971.0	7,535.0
3	98 - 124	12.8 x 10.8	6,447.0	6,011.0
4	66 - 98	19.2 x 10.8	7,732.5	7,307.0
5	35 - 66	19.2 x 10.8	7,203.9	6,829.0
6	N.A.	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.	N.A.

### TWEEN HOLDS (IF APPLICABLE)

<u>HOLD</u>	<u>FR.NO</u>	<u>HATCH</u>	<u>GRAIN(M3)</u>	<u>BALE(M3)</u>
<u>S</u>		<u>SIZE(MxM)</u>		
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

<u>HOLD</u>	<u>FORWARD (M)</u>	<u>AFT (M)</u>	<u>LENGTH (M)</u>
1	5.0	14.7	21.6
2	14.9	16.3	27.0
3	16.3	16.3	23.4
4	16.3	16.3	27.0
5	16.3	9.8	27.0
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	Yes
ORE STRENGTHENED	Yes
ALTERNATE HOLD LOADING	Yes
HOLDS USED FOR ALTERNATE LOADING	No. 1, 3, 5
ALTERNATE LOADING MAX CARGO	28,503 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	Yes
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	Yes
MAXIMUM HEIGHT OF LOG CARGO ON DECK	5.00 M
LOOSE LOG LASHING MATERIALS ON BOARD	No
IS VESSEL CONTAINER FITTED?	No
CONTAINER FITTINGS PERMANENT ?	Yes
- IN HOLDS	Yes
- ON DECKS	Yes

- ON HATCH COVERS	Yes
FULL CONTAINER SHOES, LASHINGS ETC	N.A.
MAXIMUM PERMISSIBLE STACK LOAD	N.A.
- HOLDS	80 LT/Stack
- DECK	40 LT / Stack
- HATCH COVERS	40 LT / Stack
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	40	N.A.	24	6
2	60	N.A.	24	24
3	40	N.A.	24	24
4	60	N.A.	24	24
5	60	N.A.	36	24
6	N.A.	N.A.	N.A.	N.A.

#### DECK STRENGTHS (MT/M<sup>2</sup>)

HOLD	TANKTOP	UPPER DECK	H-COVERS
1	20.0	4.0	2.25
2	20.0	4.0	1.75
3	20.0	4.0	1.75
4	20.0	4.0	1.75
5	20.0	4.0	1.75
6	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.

#### HATCH COVERS

##### MAIN DECK HATCH COVERS

MAKE:	MacGregor Far East
TYPE	Jack-knife fore-aft folding type
OPERATION SYSTEM	Hydraulic Rams
SECURING SYSTEM	Quick acting cleats

##### TWEEN DECK HATCH COVERS

MAKE	N.A.
TYPE	N.A.

#### **DISTANCES (in metres)**

STERN TO FRONT OF SUPERSTRUCTURE	35.20 M
STERN TO AFT END AFTMOST HATCH	39.00 M
BOW TO FORWARD OF HATCH NO 1	18.80 M
FWD END OF HATCH NO 1 TO AFT END AFTMOST HATCH	121.40

#### **SHIP'S RAIL TO OUTSIDE OF HATCH COAMING**

HATCH	FORE (M)	MID (M)	AFT (M)
1	4.20	5.30	5.96
2	5.96	5.96	5.96
3	5.96	5.96	5.96
4	5.96	5.96	5.96
5	5.96	5.96	5.96
6	N.A.	N.A.	N.A.
7	N.A.	N.A.	N.A.

**THICKNESS OF HATCH COAMING**

LONGITUDINAL	400 MM
TRANSVERSE	325 MM

**CENTRE OF HATCH FROM BOW AND STERN**

HATCH	BOW (M)	STERN (M)
1	26.0	154.0
2	50.3	129.7
3	76.4	103.6
4	102.0	78.0
5	131.4	48.6
6	N.A.	N.A.
7	N.A.	N.A.

**HEIGHTS (in metres)**

KEEL TO HIGHEST POINT	40.674 M
KEEL TO TOP OF FUNNEL	33.44 M
KEEL TO TOP OF CRANES	31.20 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	14.499 M
KEEL TO DK LEVEL AT H-COAMING, MIDSHIP	14.9 M

**HEIGHT KEEL TO TOP OF HATCH COAMING AND HATCH COVERS**

<u>HOLD</u>	<u>HATCH COAMING</u>	<u>HATCH CVRS</u>
1	17.21	17.80
2	16.51	17.10
3	15.95	16.54
4	15.95	16.54
5	15.95	16.54
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	13.17	10.53	7.29
2	12.12	9.73	6.84
3	11.24	9.14	5.88
4	10.97	9.14	5.88

5	10.65	9.14	5.88
6	N.A.	N.A.	N.A.
7	N.A.	N.A.	

### **CARGO GEAR**

NO OF CRANE: 4  
 MANUFACTURER: MHI, Japan  
 TYPE: Electro-hydraulic

CRANE NO	S.W.L. (LT)	LOCATION
1	25	Between hatch no. 1 & 2
2	25	Between hatch no. 2 & 3
3	25	Between hatch no. 3 & 4
4	25	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	12.52	25 DEG
2	12.52	25 DEG
3	12.52	25 DEG
4	12.52	25 DEG
N.A.	N.A.	DEG
N.A.	N.A.	DEG

### **SPEEDS OF CRANES**

HOISTING SPEED 18.5 M/MIN  
 SLEWING 0.75 RPM  
 LUFFING 38 SECS

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

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 15,215.50 M<sup>3</sup>

DRAFT FULLY BALLASTED	FORE (M)	AFT(M)	MEAN
GTR 90% IFO/DO CAPACITY	7.41	7.42	7.415
GTR 20% IFO/DO CAPACITY	6.93	6.95	6.94
MAXIMUM DE-BALLASTING CAPACITY	450 M <sup>3</sup> /H		

BALLAST PUMP CAPACITY

610 M<sup>3</sup>/H**BUNKER INFORMATION**

100% IFO CAPACITY	1,873.6 MT
100% MDO CAPACITY	184.9 MT

FUEL OIL TANK	FRAME POS	IFO 100% (M <sup>3</sup> )
NO 3 DB CENTRE	98 - 124	455.4
NO 4 DB CENTRE	66 - 98	775.6
NO 5 DB CENTRE	35 - 66	607.0
NO DB CENTRE	N.A.	N.A.
NO DB CENTRE	N.A.	N.A.
DEEP FO TANK (P)	N.A.	N.A.
DEEP FO TANK (S)	N.A.	N.A.
HFO SETT TANK	31 - 34	17.8
HFO SERV TANK	31 - 34	17.8
HFO OVERFLOW TANK	N.A.	N.A.

DIESEL OIL TANK	FRAME POS	IFO 100% (M <sup>3</sup> )
MDO (S) TANK	28 - 34; 29 - 35	74.2
MDO (P) TANK	29 - 35; 21 - 34	94.6
MDO SERV TANK	18 - 20	8.5
MDO SETT TANK	18 - 20	7.6

**FRESH WATER INFORMATION**

DAILY CONSUMPTION (EST)	11 MT
MAX TANK CAPACITY	313.85 MT
MAX DAILY WATER PRODUCTION	21 MT
CURRENT WATER PRODUCTION	19 MT

**FRESHWATER GENERATOR**

MAKER	Atlas, Sasakura
MODEL	AFGU-S41
RATED CAPACITY	21 MT/DAY

**SPEED AND CONSUMPTIONS**

SPEED (KTS)	CONS (LOADED)	RPM	CONS (BALASTED)	RPM
10	17.8	126.0	16.2	120.0
10.5	18.4	128.5	16.8	123.0
11	18.9	131.0	17.3	126.0
11.5	19.5	133.5	17.9	129.0
12	20.0	136.0	18.4	134.5
12.5	21.5	139.0	19.0	136.0
13	22.5	143.0	19.5	138.0
13.5	22.7	145.5	20.0	139.5

14	24.5	146.0	21.0	141.5
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 2 MT  
 FUEL OIL CONSUMPTION (BOILER + GENERATOR) 0 MT

**CONSUMPTION IN PORT**

FUEL OIL 0.8 MT/DAY  
 DIESEL OIL, IDLE 1.85 MT/DAY  
 DIESEL OIL, WORKING 8 HRS 2.2 MT/DAY  
 DIESEL OIL, WORKING 16 HRS MT/DAY  
 DIESEL OIL, WORKING 24 HRS MT/DAY

TYPE OF FUEL OIL Actual RME 25, ISO 8217(E), 180 CST  
 TYPE OF DIESEL OIL Estimate 8 CST

**MAIN ENGINE**

MAKER Mitsubishi Heavy Ind. Ltd / Kobe Shipyard & Engine Works  
 MODEL Sulzer 7RLB 56  
 BORE 560 MM  
 STROKE 1,150 MM  
 MCR 10,500 ps @ 170 rpm  
 NOR 9,450 ps @ 164 rpm

**GENERATORS**

NUMBER OF GENERATORS 3  
 MAKER Daihatsu Diesel Mfg. Co. Ltd  
 MODEL 6PSHTc-26H

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