

# LAMPIRAN 1

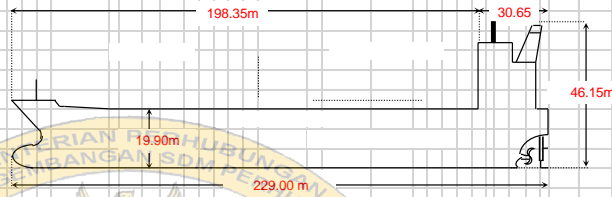
## SHIP'S PARTICULARS

NAME	M.V. SARI INDAH	KEEL LAID	15th APRIL 2013	SATELLITE COMMUNICATION	
CALL SIGN	9V2273	LAUNCHED	26th JUNE 2013	FELCOM 500	INM-C
FLAG	SINGAPORE	DELIVERED	28th OCTOBER 2013	E-MAIL	<a href="mailto:msc@sarinindah.com">msc@sarinindah.com</a>
PORT OF REGISTRY	SINGAPORE	SHIPYARD	HUDONG ZONGHUA SHIPBUILDING(GROUP)CO.,LTD - P.R.CHINA	PHONE	+870 773245448
OFFICIAL NUMBER	398832	Class No.	398832	FAX	+870 783011623
IMO/LOYDS NUMBER	9624964	Hull No.	H 1677A	TELEX	Inmarsat C - 456352610
CLASS SOCIETY	ABS	CLASS NOTATION	*A1, Bulk carrier, BC-A (Holds NO.2,4 and 6 may be empty), (E), * AMS, * ACCU, TCM, GRAB 20 , BWE, CSR, AB-C	MMSI	563526000
P & I CLUB	THE STANDARD			EX NAMES	N.A.
				Vsat Tel	+6531587593

OWNERS	SARI INDAH PTE. LTD - 8 TEMASEK BOULEVARD #38-03 SUNTEC TOWER THREE SINGAPORE 038988
OPERATORS	MSI Ship Management Pte Ltd 100 Beach road # 21 - 06, Shaw Tower Singapore 189702 Tel:65-6517 2400 Fax:65-62234293

Hatch Cover Type: Side Rolling Weather-deck

PRINCIPAL DIMENSIONS	
LOA	229.00 m
LBP	221.00 m
BREADTH (Extreme)	36.80 m
DEPTH (molded)	19.90 m
HEIGHT (maximum)	46.15 m
BRIDGE FRONT - BOW	198.35 m
BRIDGE FRONT - STERN	30.65 m
BRIDGE FRONT - MFOLD	NA
KEEL TO TOP OF HATCH COVER	22.70 m



TONNAGE	REGD	SUEZ	PANAMA
NET	27700	47028.14	
GROSS	48065	51012	

LOAD LINE INFORMATION	FREEBOARD	DRAFT	DWT
TROPICAL	5.423 m	14.514 m	89549 MT
SUMMER	5.719 m	14.218 m	87193 MT
WINTER	6.015 m	13.922 m	84842 MT
FWA	321 mm		
TPC @ Summer Draft	79.52 MT		
Constant	220 MT		
LIGHT SHIP	14892 MT		

HOLD CAPACITIES ( cbm )				
CARGO HOLDS	GRAIN	W/O # COAMING	BLST TKS (100 %) m3	
No.1	10950.6	10743.8	F.P.Tk.	1631.7
No.2	16112.2	15816.6	WBT 1 P/S	4132.0
No.3	14658.1	14366.4	WBT 2 P/S	4943.2
No.4	14681.9	14390.2	WBT 3 P/S	2922.2
No.5	14730.6	14438.9	WBT 4 P/S	4497.8
No.6	16143.1	15854.9	WBT 5 P/S	4497.2
No.7	12820.9	12528.1	WBT 6 P/S	4237.0
<b>TOTAL</b>	<b>100097.4</b>	<b>98138.9</b>	WBT 7 P/S	2884.6

OTHER DETAILS				
H. Level Alarm	N/A	Level gauge	FOR FW TANKS	
Overfill Alarm	N/A			

MACHINERY / PROPELLER / RUDDER	
MAIN ENGINE	H1M-B&W 5S80MC-C 8.1
M.C.R.	10500 KW @ 100.5 rpm
N.C.R.	9450 KW @ 97.0 rpm
MAX CRITICAL RANGE	58 - 68 RPM
COMPOSITE BOILER	AALBORG boiler, Oil Fired, 7.0 Bar
GENERATOR (3 sets)	Yanmar, Type: 6EY18A-LW, 660KW
EMER D.G. (1)	CUMMINS DIESEL ENGINE 6BT5.9-D1M) 112KW x 1800 RPM, GENERATOR: 99 KW
PROPELLER	4-Blades, Dia: 6900mm, Wt: 22.6T, NIA/Bronze, Ptl: 5097.1 mm
RUDDER	TYPE: SEMI-SPADE
STEERING GEAR	El-hyd./FE 21-126
FW GENERATOR CAP	ALFA-LAVAL JWSP28-C100.20 Ton / Day

BUNKER TANKS	
FOT 1 P	617.1 m3
FOT 1 S	617.1 m3
FOT 2 P	732.1 m3
FOT 2 S	732.1 m3
F01 Ser.Tank	28.1 m3
F02 Ser.Tank	22.6 m3
F01 Set.Tank	28.7 m3
F02 Set.Tank	31.7 m3
DOT P	81.1 m3
DOT S	81.1 m3
LS DOT P	96.4 m3
LS DOT S	135.2 m3
DO Ser. Tank	10.8 m3
DO Set. Tank	10.8 m3

WINCHES / WINDLASS / ROPES / EMERGENCY TOWING			
	FWD	AFT	PARTICULARS
WINCHES	1	3	Wuhan Marine Machinery Plant.Co.Ltd
MRG WIRES	-	-	
WINCH BHC	470.4 kN	470.4 kN	
WINDLASS	2	0	Wuhan Marine Machinery Plant.Co.Ltd
WARPING DRUM	3	3	Foc/le-2, Fwd M'dk-1, Aft M'dk-1, Poop Dk-2
HAWSER DRUM	8	8	Foc/le-6, Fwd M'dk-2, Aft M'dk-2, Poop Dk-6
ANCHOR	2	-	Port 13 SHACKLE, Stbd 12 SHACKLE
EMG. TOWING			MOORING ROPES

CARGO AND BALLAST PUMPING SYSTEM				
MAIN PUMPS	NO.	CAPACITY	HEAD	RPM
BALLAST P/Ps	2	1500 M3/HR	25 M	1200
BALLAST EDTR	2	100 M3/HR	7 M	NA
BILGE & G.P	1	100/270 M3/HR	75/25 m	1800
FIRE & G.P	1	100/270 M3/HR	75/25 m	1800

LIFE BOAT	
	1 x 30 persons
RESCUE BOAT	
	1 x 5 persons
LIFE RAFTS	
	2 x 15 persons
	2 x 16 persons
	1 x 6 persons
PROV. CRANE	
	1 x 4.0 T

Tank Top Dimension (m): Breadth (FWD) x Breadth (AFT) x Length			
No.1: 10.00 x 24.80 x 21.45 m	No.2: 26.05 x 28.40 x 25.75 m	No.3: 28.40 x 28.40 x 23.20 m	
No.4-5: 28.40 x 28.40 x 23.20 m	No.6: 28.40 x 26.30 x 25.70 m	No.7: 24.65 x 9.95 x 23.20 m	

Waterline to Top of Hatch Cover Midships (m):			
Light Blst:	14.65	Hvy Blst:	12.6
Laden(Summer):		8.51	

Strength (MT/M2): Hatch Cover x Tank Top x Deck			
Not specified	1/29.51, 28&/16.76, 3&5/29.54, 4/18.29, 7/29.67	Not specified	

CARGO GEAR	
NA	

FIRE FIGHTING SYSTEM	
ERM	CO2 FIRE EXTINGUISHING SYSTEM & HYPER MIST
CARGO HOLDS	N/A
VENTILATION FOR CARGO HOLD	NATURAL VENTILATION

Min Bow Drift: 5.27 m	
Blist Drift: 6.32m, 7.84m	
Propeller Immer.: 7.15m	
Capt. Deep Malik Master	

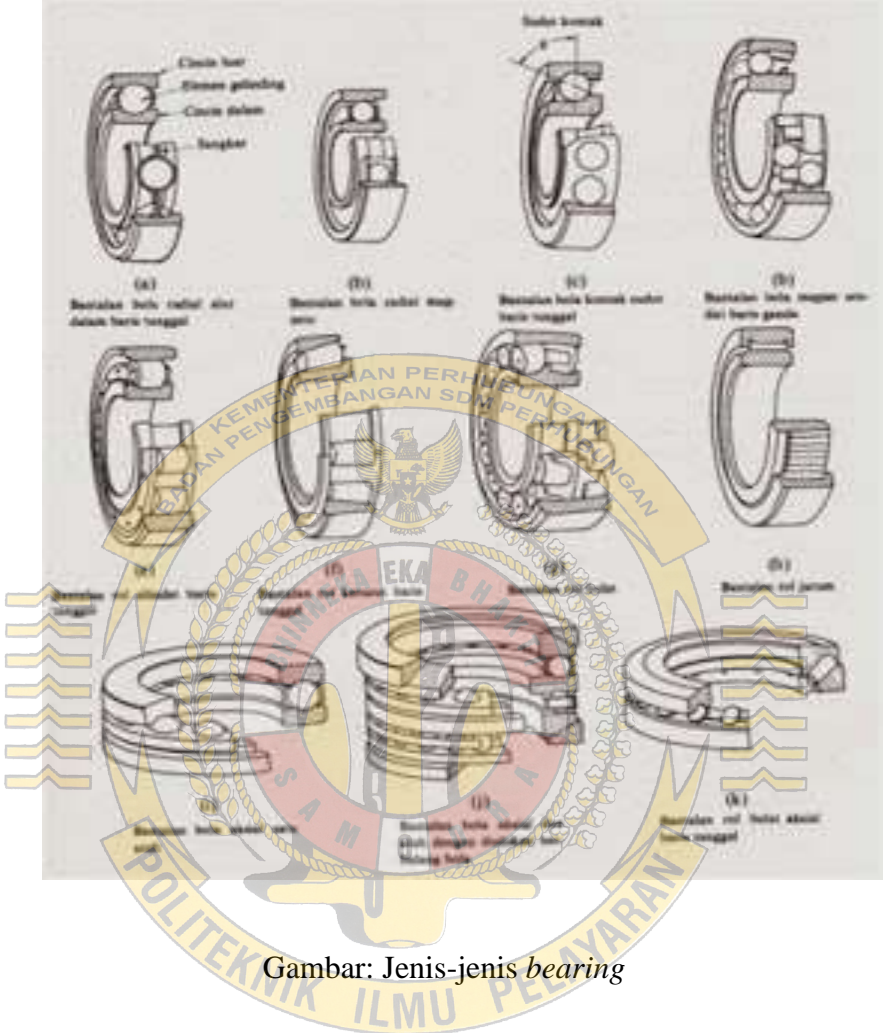
SURVEYS				
KIND	AS	IS	SS	DOCKING
LAST DONE	28-Okt-13	NA	NA	NA
NEXT DUE	27-Okt-14	27-Okt-15	27-Okt-18	27-Okt-16

Ver 04 Nov 2014

## LAMPIRAN 2

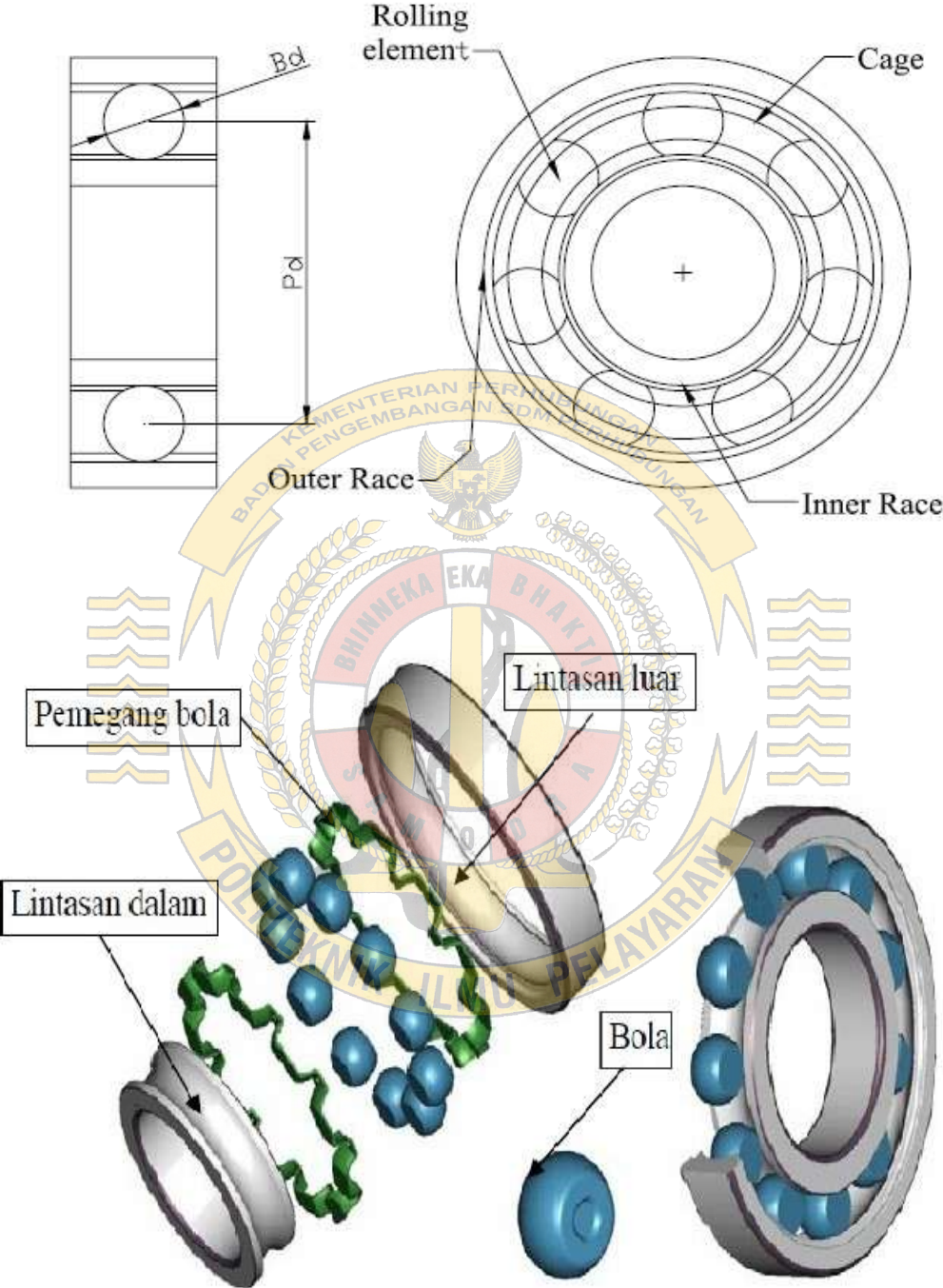
IMO CREW LIST										Page No. 1	
						<input checked="" type="checkbox"/> Arrival <input type="checkbox"/> Departure					
1. Name of ship			2. Port of Arrival/Departure			3. Date Of Arrival/Departure					
MV. SARI INDAH			Prince Rupert - Canada			15-Jun-16					
4. Nationality			5. Last port of call			6. Next Port of Call		7. Nature and identity of document (Passport No)	8. Passport Expiry	9. Seamen's Book no	10. Seamen Book expiry
SINGAPORE			Qingdao - China								
11. No	12. Family name	13. Given Names	14. Rank or rating	15. Nationality	16. Date and place of birth						
1	MALIK	DEEP	Master	INDIAN	29.05.1953	KANPUR	Z 3487968	02.12.2025	A 75317	10.05.2022	
2		AMRIZAL	Ch. Officer	INDONESIA	05.04.1967	PADANG	A 2850628	10.05.2017	Y 041220	26.04.2018	
3	RAFUDIN	RAMDANI	2nd Officer	INDONESIA	05.03.1985	JAKARTA	B 2853622	06.01.2021	C 031279	30.12.2018	
4	PUTRA	WIRO PRATAMA	3rd Officer	INDONESIA	01.06.1992	TOBOALI	A 2458514	21.03.2017	A 029054	26.03.2017	
5	SURBAKTI	ANGGA PRANATA	D.Cadet	INDONESIA	21.05.1994	MEDAN	B 1096466	30.04.2020	D 060385	27.03.2018	
6	RIVALDI	ADITYA	D.Cadet	INDONESIA	14.12.1993	JAKARTA	A 9246131	14.10.2019	D 007582	30.09.2017	
7		DARNAWI	Ch. Engineer	INDONESIA	04.01.1974	PATI	A 5545316	17.06.2018	Y 074239	19.09.2018	
8	ANAS	AZWAR	2nd Engineer	INDONESIA	07.04.1982	TULUNGAGUNG	A 1845096	04.01.2017	E 033964	17.11.2018	
9	ZULKARNAEN	DENNY	3rd Engineer	INDONESIA	03.11.1977	JAKARTA	A 8947032	21.10.2019	C 046876	04.03.2019	
10	NURYANI	ANTON	4th Engineer	INDONESIA	04.02.1987	MALANG	A 2756061	04.05.2017	A 032807	16.04.2017	
11	IRAWAN	SANI	Tr. Engineer	INDONESIA	03.10.1991	SOREANG	A 5084465	15.03.2018	B 048514	04.03.2018	
12		SUDARMINTO	Elect	INDONESIA	21.02.1969	BOJONEGORO	A 3110707	14.06.2017	E 007468	03.09.2018	
13	IMAM	FAIZAL KHAIRUL	E.Cadet	INDONESIA	24.07.1995	BOGOR	B 1491078	26.06.2020	D 075169	17.06.2018	
14	PUTRANTO	AGUNG DWI	Bosun	INDONESIA	31.07.1973	NGANJUK	A 5956193	01.07.2018	D 000659	04.09.2017	
15		BISMAN	A / B 1	INDONESIA	17.04.1970	BELOPA	A 4253106	03.01.2018	D 036790	14.01.2018	
16	SUMARDIONO	DWI	A / B 2	INDONESIA	25.10.1980	JAKARTA	A 4027405	12.11.2017	B 000129	12.09.2017	
17	AHMAD	HENDRA	A / B 3	INDONESIA	25.03.1972	LUMARING	B 2401224	10.11.2020	C 068776	05.06.2017	
18		ISMAIL	O / S 1	INDONESIA	21.05.1974	BANGKALAN	B 2246275	19.10.2020	C 000046	13.08.2018	
19	TAJRIN	ABDUL	O / S 2	INDONESIA	11.04.1977	ENREKANG	B 2993079	18.01.2021	D 030475	10.12.2017	
20	CONNA	MULYADI	Oiler	INDONESIA	14.12.1976	TOLANGI	A 2963663	29.05.2017	E 083323	19.04.2019	
21	ENDIES	HANDRIANTO	Ch.Cook	INDONESIA	28.08.1982	JAKARTA	A 2459642	27.03.2017	B 088035	24.07.2018	
22	CHAVIZ	MUHAMAD	Mess Boy	INDONESIA	04.04.1985	JAKARTA	A 3404481	23.07.2017	C 026862	09.12.2018	
23		OKI	Fitter	INDONESIA	15.05.1977	JAKARTA	B 1664044	28.07.2020	A 066564	04.09.2017	
17. Date and signature by master, authorised agent or officer											
MV. SARI INDAH											
Capt. DEEP MALIK MASTER											

LAMPIRAN 3



Gambar: Jenis-jenis bearing

LAMPIRAN 4



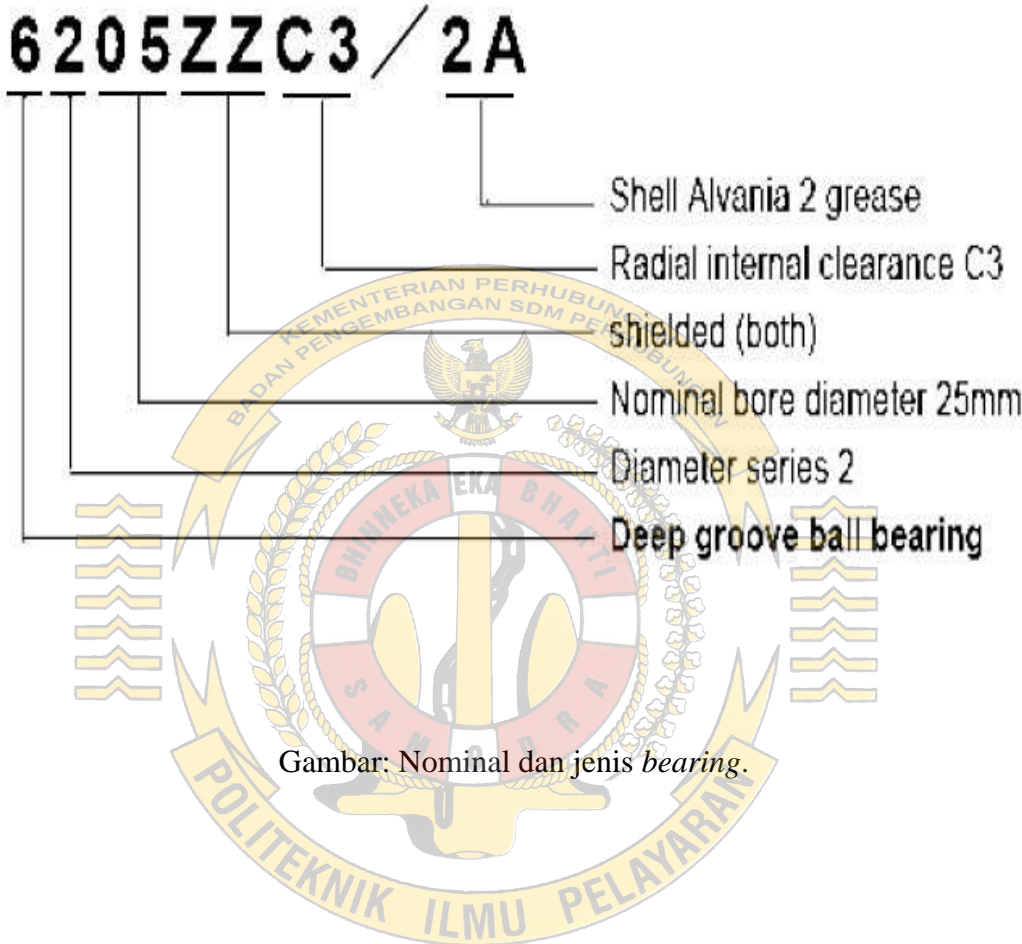
Gambar: Kontruksi ball bearing

LAMPIRAN 5



Gambar: *Ball bearing* yang telah rusak.

LAMPIRAN 6



Gambar: Nominal dan jenis bearing.