

Strategic Spare Parts List (Recommended Spare Parts List)

EQ/SYS.		USE		
Closed Cycle Cooling Water Pump		-		
No.	Description	OUTLINE	QUANTITY	REMARKS (Purpose)
TJB5-SS-MECH -CCCWP-001	"Gasket (Liquid seal type)"	Part No. 434.000 (See. attached drawing)	Refer to TJB56-L1-OFF-C -00-G-LST-0021	-
TJB5-SS-MECH -CCCWP-002	O-Ring (Bearing house)	Part No.412.218 (See. attached drawing)	Refer to TJB56-L1-OFF-C -00-G-LST-0021	-
TJB5-SS-MECH -CCCWP-003	O-Ring(Pump)	Part No.412.220 (See. attached drawing)	Refer to TJB56-L1-OFF-C -00-G-LST-0021	-
TJB5-SS-MECH -CCCWP-004	O-Ring(Pump)	Part No.412.215 (See. attached drawing)	Refer to TJB56-L1-OFF-C -00-G-LST-0021	-
TJB5-SS-MECH -CCCWP-005	Impeller Ring	Part No.503.230 (See. attached drawing)	Refer to TJB56-L1-OFF-C -00-G-LST-0021	-
TJB5-SS-MECH -CCCWP-006	Bearing (Pump DE)	Part No.320.305 (See. attached drawing)	Refer to TJB56-L1-OFF-C -00-G-LST-0021	-

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EQ/SYS.		USE		
Closed Cycle Cooling Water Pump		-		
No.	Description	OUTLINE	QUANTITY	REMARKS (Purpose)
TJB5-SS-MECH -CCCWP-007	Bearing (Pump DE)	Part No.323.304 (See. attached drawing)	Refer to TJB56-L1-OFF-C -00-G-LST-0021	-
TJB5-SS-MECH -CCCWP-008	Shaft sleeve	Part No.524.205 (See. attached drawing)	Refer to TJB56-L1-OFF-C -00-G-LST-0021	-

CONTRACT DATA

PURCHASER: Toshiba Corporation
 USER: PT Bhumi Jati Power
 JOB/PROJECT: Tanjung Jati B Expansion (Jawab-1)
 Coal Fired Steam Power Plant 2x1000MW
 CUST. P.O. NO.: M31-128755
 SERVICE: Closed Cycle Cooling Water Pump
 INSTALLED AT: Jepara Jawa Tengah-Indonesia
 PROJECT NO.: 100281717
 SULZER ORDER NO.: 100281717

IDENTIFICATION NUMBERS

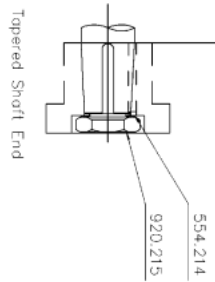
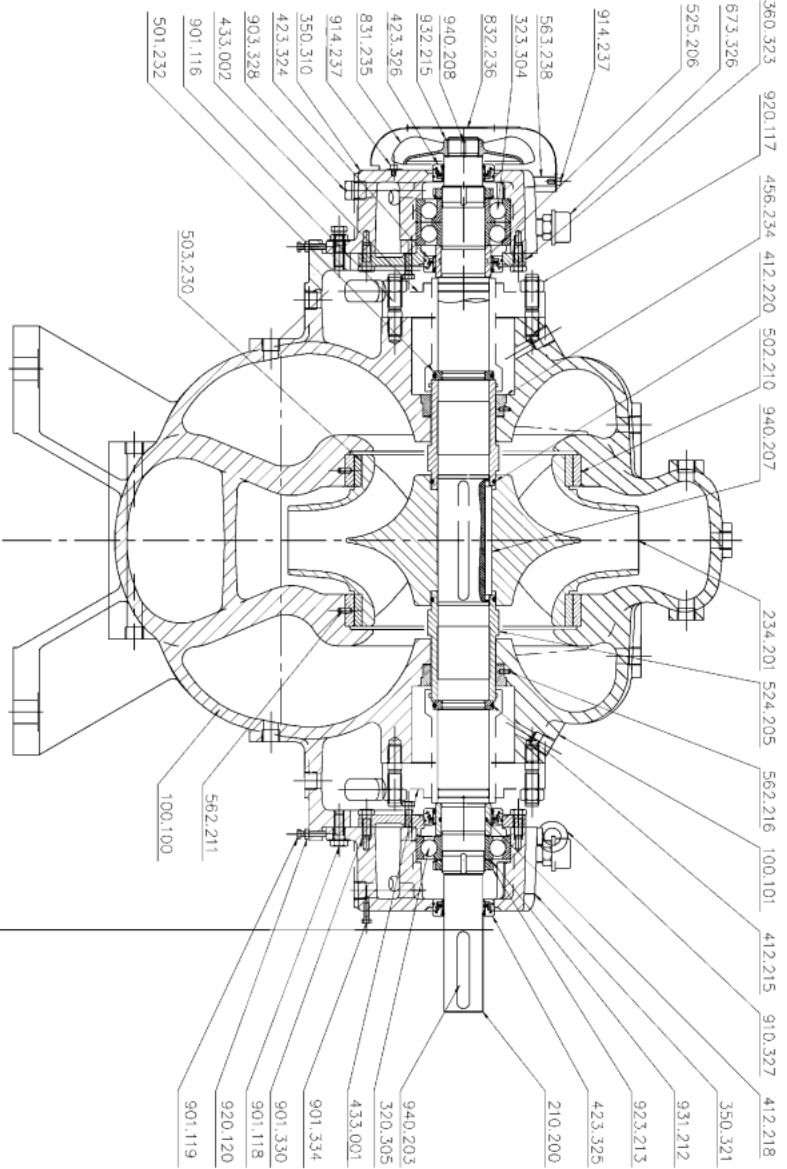
SULZER SERIAL NO.	PUMP	CUSTOMER TAG NOS	DRIVER
593819	50PGC11AP010	50PGC11AP010-M01	50PGC12AP010-M01
593820	50PGC12AP010	50PGC12AP010-M01	50PGC13AP010-M01
593821	50PGC13AP010	50PGC13AP010-M01	50PGC14AP010-M01
593822	50PGC14AP010	50PGC14AP010-M01	50PGC15AP010-M01
593823	50PGC15AP010	50PGC15AP010-M01	50PGC16AP010-M01
593824	50PGC16AP010	50PGC16AP010-M01	-

DRAWING CONTENT

SHEET NO.	SHEET DESCRIPTION
1	PUMP CROSS SECTION
2	PART LIST

Project Document Number: T1B56-L1-OFF-C-PG_-M-DRD-2721

- Reference Drawings:
- 1) Outline Drawing: T1B56-L1-OFF-C-PG_-M-DRD-2612
 - 2) Piping and Instrument Diagram: T1B56-L1-OFF-C-PG_-M-PID-2139
 - 3) Datasheet: T1B56-L1-OFF-C-PG_-M-DAS-3638



REV.	DESCRIPTION	DATE	BY	CHKD.	APPD.
1	Updated Information	20180808	20180808	20180808	
2	Updated according to comments	20180919	20180919	20180919	
3	First Issue	20180715	20180715	20180715	

SMH
 407-720
 TANJUNGPURA
 Cooling Water Pump
 SECTION DRAWING

Rev. 1
SULZER
 EN PCS100281717001Q-01 1 / 2

CONTRACT DATA: 0001_91:95:01:111-90:61:02:H3IET1-1-d66-p-uuu50:0_000_22Z_10-0-100:1L182001-LS4
 PURCHASER: Toshiba Corporation
 USER: PT Bhumi Jati Power
 JOB/PROJECT: Tanjung Jati B Expansion (Jawab-1)
 Coal Fired Steam Power Plant 2x1000MW
 CUST. P.O. NO.: M31-128755
 SERVICE: Closed Cycle Cooling Water Pump
 INSTALLED AT: Jepara Jawa Tengah-Indonesia
 PROJECT NO.: 100281717
 SULZER ORDER NO.: 100281717
 DRAWING NO.: EN PCS100281717001Q-01
 SHEET NO.: 1 / 2

CONTRACT DATA

PURCHASER: Toshiba Corporation
 USER: PT Bhumi Jati Power
 JOB/PROJECT: Tanjung Jati B Expansion (Jawa4)
 CUST P.O. NO.: M34-128255
 SERVICE: Closed Cycle Cooling Water Pump
 INSTALLED AT: Jember Jawa Tengah-Indonesia
 PUMP OEM: Sulzer Pumps Sudbu
 SULZER ORDER NO.: 100281717

IDENTIFICATION NUMBERS

SULZER SERIAL NO.	PUMP	CUSTOMER TAG NOS.	DRIVER
593819	50PGC11A9010	50PGC1A9010-M01	
593820	50PGC12A9010	50PGC12A9010-M01	
593821	50PGC13A9010	50PGC13A9010-M01	
593822	60PGC11A9010	60PGC11A9010-M01	
593823	60PGC12A9010	60PGC12A9010-M01	
593824	60PGC13A9010	60PGC13A9010-M01	

DRAWING CONTENT

SHEET NO.	SHEET DESCRIPTION
1	PUMP CROSS SECTION
2	PART LIST

Project Document Number: 1J856L-1-OFF-C-PG_M-DRD-2721

PART NO.	DESCRIPTION	QTY	MATERIAL
100100	CASE/TOP HALF	1	ASTM A216 GR WCB
100101	CASE/TOP HALF	1	ASTM A216 GR WCB
411128	* WASHER (SEAL RING) 44X84	34	AS1334
901121	* LOCKING SCREW - CASE TOP HALF	2	ISO888-1.8.8.20-coiled
902110	* STUD - PART FLANGE (M48)	30	ASTM A182 GR 9T Black Oxide
902111	* STUD - PART FLANGE (M24*11)	4	ASTM A182 GR 9T Black Oxide
906113	* CAP NUT - PART FLANGE M24	34	ASTM A182 GR 9T Black Oxide
906119	* WASHER - CASE TOP HALF	2	ISO888-1.8.8.20 (14)
906115	* NUT - CASE TAHER P/N 119	2	ASTM A182 GR 9T Flank-1
906114	* WASHER - CASE TAHER P/N 119	2	ISO 881 (14)
434300	* SEALANT - PART FLANGE	3	LOCITTE 818099
794201	IMPELLER	1	ASTM A213 CQ3M
903230	IMPELLER RING/NOZZLE	2	ASTM A213 CQ3M 7/8" O.D. 20" HB
904231	* SETSCREW - IMPELLER RING	6	AS1316
901122	SHUT RING	2	AS1316
412215	* O-RING 11.83X32.62X3mm	2	NBR 70 (Buna N NMB)
412220	* O-RING 11.83X32.62X3mm	2	NBR 70 (Buna N NMB)
210200	SHAFT	2	ASTM A276 Type302
902210	STATIONARY RING	1	ASTM A216 GR WCB
902211	DOVEL PIN - STATIONARY RING	2	ISO 64 (13) (14)
902216	DOVEL PIN - THROAT BUSHING	2	ISO 64 (13) (14)
902215	SHAFT NUT	1	AS1148
904214	WASHER - SHAFT NUT (Inner: 16mm; 12mm)	4	ISO 64 (13) (14)
904201	* SETSCREW - SHAFT NUT	1	AS1148
904203	* KEY - IMPELLER	1	ASTM A276 UNS 30400
904202	* KEY - COUPLING	1	AS1148
904201	BEARING HOUSING - DE	1	ASTM A216 GR WCB
904203	BEARING HOUSING - INDE	1	ASTM A216 GR WCB
904202	BEARING COVER	2	ASTM A216 GR WCB
911205	FLY	1	Aluminum
940208	KEY	1	AS1148
942215	RETAINING RING	1	Steel Spring
942215	RETAINING RING	1	SPR 8020-103
923215	BEARING NUT	2	BRN17 Steel - Min. UTS: 500 MPa / 50 KSI
931212	LOCK WASHER	2	DN5206 Stainless UTS 500 MPa / 42.8 KSI
923204	BEARING THROUGH	2	SPR 7320-103
923206	SPACER SLERVE	2	ASTM A216 GR WCB 252.575 HB
412218	* O-RING 11.83X32.62X3mm	2	ISO888-EPDM T150 (Ethylen Propylene)
423226	LAB FRONT RING	1	Brone
423226	LAB FRONT RING	1	Brone
423226	LAB FRONT RING	1	Brone
910227	EYEBOCK	2	ASTM A568 GR C10E
910227	BAR RELEASE FILTER	2	Steel 20 Gk
938214	* CONSTANT LEVEL OILER	2	Aluminum/Inconel/Inconel Steel
901244	JACKING SCREW - BEARING COVER	4	ASTM A182 GR 9T-428 (24 galvanneal incl. spec)
901240	HEX. HEAD SCREW	16	ASTM A182 GR 9T-428 (24 galvanneal incl. spec)
901239	THRUSTWASH PLATE	14	ASTM A182 GR F316L
423224	LAB FRONT RING	2	Brone
923226	FAN SHROULD	1	AS11420
914227	SCREW - FAN SHROULD	6	ISO888-1.8.8
926100	* SPRING WASHER	6	DN 128 FCMV ASpring 2016P-CV/Class
901128	BOLT - FAN SHROULD	4	ASTM A193 GR B145
901118	HEX HEAD SCREW	8	ASTM A182 GR 9T-428 (24 galvanneal incl. spec)
901119	HEX. HEAD SCREW	6	ISO888-1.8.8.20-coiled
920120	Hex. Hd. Hd. M10	6	ASTM A194 GR 2H
433202	MECHANICAL SEAL/OE	1	BY SEAL VENDOR (English/Burmese, Cartridge Seal Single Type)
901116	STUD (MECHANICAL SEAL) - M20	8	BY SEAL VENDOR (English/Burmese)
920117	NUT M20	8	BY SEAL VENDOR (English/Burmese)
436224	THROAT BUSHING	2	ASTM A213 CQ3M, Seal: Niche: 320 - 350HB, 1/2 80HV.

Note 1: PARTS WITH * (NOT SHOWN)

2. PART 411,128,902,110,902,111,902,112 TO BE PAINTED BEFORE DELIVERY.

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SIMILAR DWG

REV.	DESCRIPTION	DATE	BY	CHKD	APPROVED
1	REV. MODIFICATION	2018/08/18	SJM	CMJ	2018/08/18
2	Updated according to comments	2018/03/19	SJM	CMJ	2018/03/19
3	First Issue	2018/01/15	SJM	CMJ	2018/01/15

REV. MODIFICATION: NO. 10281717
 REPLACED BY: SUBSTITUTED FOR

NO. 10281717
 PART NO. EN PCS1002817170010-01

SECTION DRAWING FOR BALL-BEARING WITH FAN & 180° BRKT

402-720
 TANJUNG JATI
 100281717

Checked By: **SULZER**

APPROVED: 2018/01/15
 B.Germann