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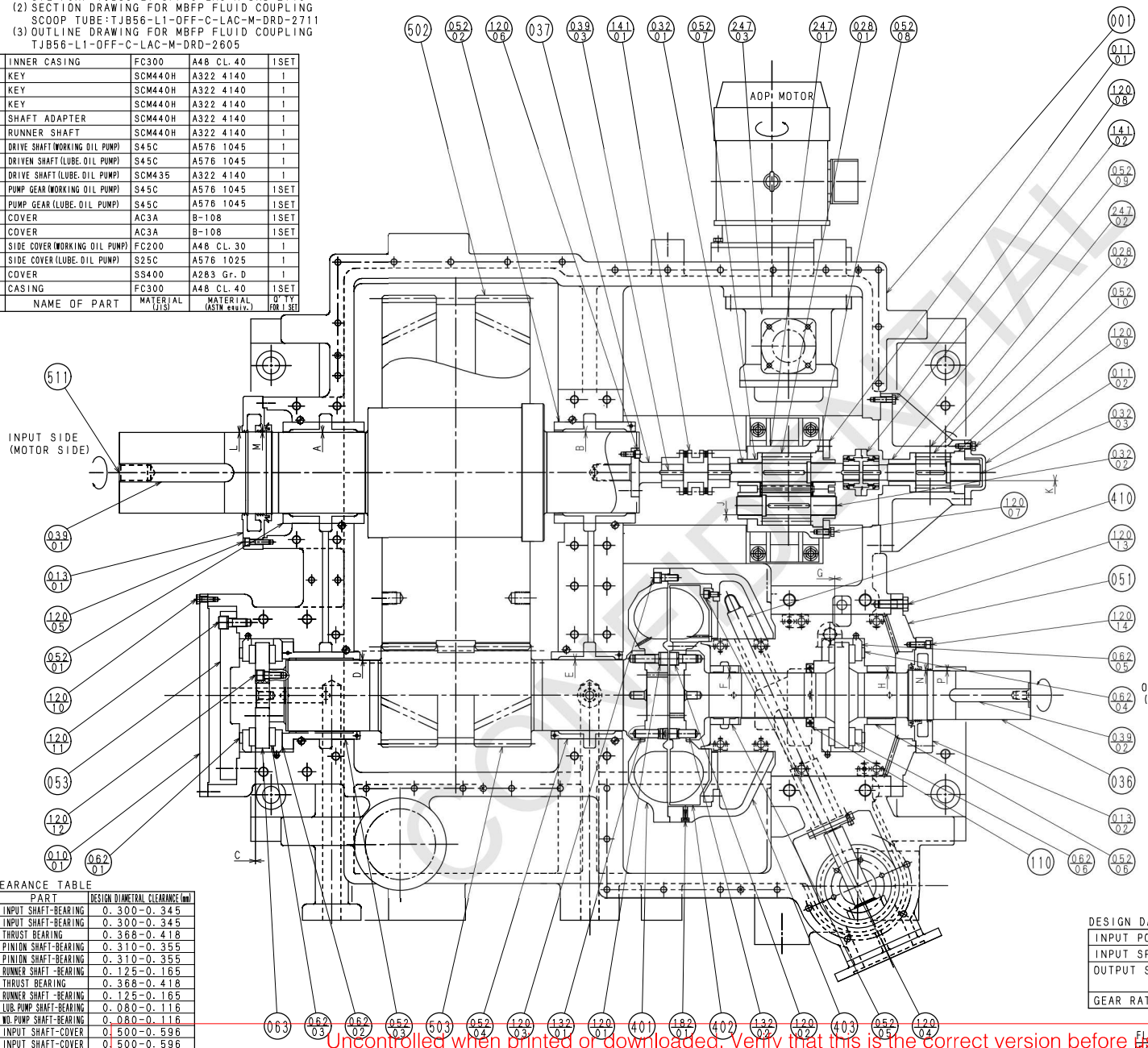
NO.	REVISION DESCRIPTION	DATE	BY	APP.
1	REVISED	Nov. 1.18	Y. K	Y. K
0	ISSUED FOR USE	Aug. 6.18	Y. K	Y. K

REFERENCE DRAWING
(1) SECTION DRAWING FOR MBFP AUXILIARY OIL PUMP:TJB56-L1-OFF-C-LAC-M-DRD-2710
(2) SECTION DRAWING FOR MBFP FLUID COUPLING SCOOP TUBE:TJB56-L1-OFF-C-LAC-M-DRD-2711
(3) OUTLINE DRAWING FOR MBFP FLUID COUPLING TJB56-L1-OFF-C-LAC-M-DRD-2605

NO.	NAME OF PART	MATERIAL (JIS)	MATERIAL (ASTM equiv.)	Q'TY FOR 1 SET
051	INNER CASING	FC300	A48 CL. 40	1SET
039-03	KEY	SCM440H	A322 4140	1
039-02	KEY	SCM440H	A322 4140	1
039-01	KEY	SCM440H	A322 4140	1
037	SHAFT ADAPTER	SCM440H	A322 4140	1
036	RUNNER SHAFT	SCM440H	A322 4140	1
032-03	DRIVE SHAFT(WORKING OIL PUMP)	S45C	A576 1045	1
032-02	DRIVEN SHAFT(LUBE. OIL PUMP)	S45C	A576 1045	1
032-01	DRIVE SHAFT(LUBE. OIL PUMP)	SCM435	A322 4140	1
028-02	PUMP GEAR(WORKING OIL PUMP)	S45C	A576 1045	1SET
028-01	PUMP GEAR(LUBE. OIL PUMP)	S45C	A576 1045	1SET
013-02	COVER	AC3A	B-108	1SET
013-01	COVER	AC3A	B-108	1SET
011-02	SIDE COVER(WORKING OIL PUMP)	FC200	A48 CL. 30	1
011-01	SIDE COVER(LUBE. OIL PUMP)	S25C	A576 1025	1
010-01	COVER	SS400	A283 Gr. D	1
001	CASING	FC300	A48 CL. 40	1SET



NO.	NAME OF PART	MATERIAL (JIS)	MATERIAL (ASTM equiv.)	Q'TY FOR 1 SET
511	INPUT SHAFT	SCM440H	A322 4140	1
503	PINION	SCM420H	A322 4118	1
502	GEAR	SCM420H	A322 4118	1
410	SCOOP TUBE	SCM440H	A322 4140	1SET
403	IMPELLER CASING	SCM440H	A322 4140	1
402	RUNNER	SCM440H	A322 4140	1
401	IMPELLER	SCM440H	A322 4140	1
247-03	AUXILIARY OIL PUMP	FC300 etc.	A48 CL.40 etc.	1SET
247-02	PUMP CASING(WORKING OIL PUMP)	FC300	A48 CL. 40	1
247-01	PUMP CASING(LUBE. OIL PUMP)	FC300	A48 CL. 40	1
182-01	FUSE PLUG	SCM435 etc.	A322 4130 etc.	4
141-02	GEAR COUPLING(BETWEEN M. O. P AND L. O. P)	S55C	A576 1050	1SET
141-01	DISC TYPE COUPLING(BETWEEN L.B.P AND GEAR SHAFT)	S45C	A576 1045	1SET
132-02	KNOCK PIN	SCM440H	A322 4140	4
132-01	KNOCK PIN	SCM440H	A322 4140	6
120-14	BOLT(M12X40, ALLEN)	SCM435	A322 4130	4
120-13	BOLT(M20X60, HEX)	SS	A283 Gr. D	8
120-12	BOLT(M16X45, ALLEN)	SCM435	A322 4130	8
120-11	BOLT(M20X50, ALLEN)	SCM435	A322 4130	12
120-10	BOLT(M12X35, HEX)	SS400	A283 Gr. D	12
120-09	BOLT(M12X35, HEX)	SS400	A283 Gr. D	6
120-08	BOLT(M12X45, HEX)	SS400	A283 Gr. D	8
120-07	BOLT(M12X35, HEX)	SS400	A283 Gr. D	6
120-06	BOLT(M12X30, ALLEN)	SCM435	A322 4130	8
120-05	BOLT(M12X50, ALLEN)	SCM435	A322 4130	8
120-04	BOLT(M12X30, ALLEN)	SCM435	A322 4130	28
120-03	BOLT(M16X40, ALLEN)	SCM435	A322 4130	48
120-02	BOLT(M20X50, ALLEN)	SCM435	A322 4130	10
120-01	BOLT(M24X65, ALLEN)	SCM435	A322 4130	6
110	SEAL RING	CAC406	C83600	1
063	THRUST DISK	SCM435	A322 4140	1
062-06	THRUST PAD	S25C/W87	A576 1025+B23(No. 3)	1SET
062-05	RING	SS400	A48 CL. 40	1SET
062-04	SPACER	SS400	A48 CL. 40	1SET
062-03	THRUST PAD	S25C/W87	A576 1025+B23(No. 3)	1SET
062-02	RING	S15C	A576 1015	1SET
062-01	SPACER	SS400	A48 CL. 40	1SET
053	METAL CAP	S25C	A576 1025	1
052-10	BEARING(WORKING OIL PUMP)	S25C/WJ2	A576 1025+B23(No. 3)	2
052-09	BEARING(WORKING OIL PUMP)	S25C/WJ2	A576 1025+B23(No. 3)	2
052-08	BEARING(LUBE. OIL PUMP)	S25C/WJ2	A576 1025+B23(No. 3)	2
052-07	BEARING(LUBE. OIL PUMP)	S25C/WJ2	A576 1025+B23(No. 3)	2
052-06	SLEEVE	S25C/WJ2	A576 1025+B23(No. 3)	1SET
052-05	SLEEVE	S25C/WJ2	A576 1025+B23(No. 3)	1SET
052-04	SLEEVE	S25C/WJ2	A576 1025+B23(No. 3)	1SET
052-03	SLEEVE	S25C/WJ2	A576 1025+B23(No. 3)	1SET
052-02	SLEEVE	S25C/WJ2	A576 1025+B23(No. 3)	1SET
052-01	SLEEVE	S25C/WJ2	A576 1025+B23(No. 3)	1SET
NO.	NAME OF PART	MATERIAL (JIS)	MATERIAL (ASTM equiv.)	Q'TY FOR 1 SET

CLEARANCE TABLE

No.	PART	DESIGN DIAMETRAL CLEARANCE (mm)
A	INPUT SHAFT-BEARING	0.300-0.345
B	INPUT SHAFT-BEARING	0.300-0.345
C	THRUST BEARING	0.368-0.418
D	PINION SHAFT-BEARING	0.310-0.355
E	PINION SHAFT-BEARING	0.310-0.355
F	RUNNER SHAFT -BEARING	0.125-0.165
G	THRUST BEARING	0.368-0.418
H	RUNNER SHAFT -BEARING	0.125-0.165
J	LUB. PUMP SHAFT-BEARING	0.080-0.116
K	WO. PUMP SHAFT-BEARING	0.080-0.116
L	INPUT SHAFT-COVER	0.500-0.596
M	INPUT SHAFT-COVER	0.500-0.596
N	RUNNER SHAFT-COVER	0.500-0.596
P	RUNNER SHAFT-COVER	0.500-0.596

DESIGN DATA

INPUT POWER	14500kW
INPUT SPEED	1490rpm
OUTPUT SPEED	Max. 5250rpm Min. 1310rpm
GEAR RATIO	3.645

FLUID COUPLING KKS CODE: 0LAC13 AP010 MK01

EBARA SER. No.	CUSTOMER
R170411906, R170411912	Toshiba Energy Systems & Solutions Corporation
MODEL / SET	FINAL USER
GCH105A-6DDL / 1+1	PT. Bhumi Jati Power

APP'D BY	DSN'D BY	TITLE	PROJ.
Y. KATAYA Oct.17.17	Y. KATAYA Oct.17.17	SECTION DRAWING FOR MBFP FLUID COUPLING	
	CHK'D BY		SCALE 1:20
	DRW'N BY Y. KATAYA Oct.17.17	DWG. No. PR170411906/901	REV. 0

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