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Tolerances except as noted Welding except as noted

Rev.	Description of revision	Chck.	Appr.	Date / Sign.
0	ISSUED FOR CONSTRUCTION	BRT	OM	07-FEB-07/KE
A	ADDED HOSE H36 & INSERT NO. 2 ON HOSES	BRT	KE	04-JUL-07/KE

NOTE:

HYDRAULIC TUBE / PIPE / FITTING:

PROPERTIES ACC. TO MH STD. PIPING SPECIFICATION, SA17-0001, PIPING CLASS SHEET(S): ISO1 MH

TUBE / PIPE: DIMENSIONS ACC. TO FLOW DIAGRAM.

FITTING TYPE: ISO 8434-2 (SAE J514), WITHOUT SOFT SEAL IN FITTING NOSE (O-RING)

FLANGE TYPE: ISO 6162-1 & 2 (SAE J518C 61 & 62)

PRESSURE FLUID:

HYDRAULIC MINERAL OIL ISO HV TYPE (DIN HVL P)

PERMISSIBLE UPPER OPERATIONAL CONTAMINATION LIMIT: ISO 4406, CODE 16 / 13 (SAE AS4059, CLASS 7).

GRAPHICAL SYMBOLS:

HYDRAULIC & PNEUMATIC DIAGRAMS BASED ON ISO 1219.

ELECTRIC INSTRUMENTS BASED ON ISO 1219 AND IEC617

ID 09 & 10, PRESSURE SETTINGS:

THE PRESSURE SETTING POINTS ON THE SCHEMATIC ARE GUIDELINE VALUES ONLY.

FOR FINAL SET POINTS, REFER TO THE USER MANUAL MAINTENANCE CHAPTER.

13	1818059	TORQUE MASTER, HOSE SCHEDULE FOR SHEET 07-10
12	1818058	TORQUE MASTER, HOSE SCHEDULE FOR SHEET 04-06
11	1818057	TORQUE MASTER, HOSE SCHEDULE FOR SHEET 01-03
10	1818056	TORQUE MASTER, TWL
09	1818055	TORQUE MASTER, CASING STABBING GUIDE
08	1818054	TORQUE MASTER, BACK-UP TONG
07	1818053	TORQUE MASTER, SPINNER
06	1818052	TORQUE MASTER, MAIN TONG CHUCK
05	1818051	TORQUE MASTER, MAIN TONG CHUCK CONTROL
04	1818050	TORQUE MASTER, MAIN TONG DRIVE
03	1818049	TORQUE MASTER, MAIN TONG DOLLY
02	1818048	TORQUE MASTER, MAIN FRAME
01	1818047	TORQUE MASTER, MANIFOLD IN DERRICK

SHEET NO: MH DRWG NO: CONTENTS OF DRAWING

1	20	CHECK VALVE	19226
1	19	PRESSURE RED. VALVE	21476
4	18	DIRECT CONNECTION FOR PRESSURE	51877
1	17	MANIFOLD	5040841
1	16	MANIFOLD	5037325
2	15	CHECK VALVE, SCREW IN TYPE	57413
2	14	PRESSURE RELIEF VALVE, CART.	29694
1	13	MANIFOLD WITH CAVITY: T-10A	57414
1	12	4/2 DIR. VALVE, EL. OPER. MARINE	48961
1	11	SERVO VALVE	48280
4	10	PRESSURE TRANSMITTER	58109
1	9	SEAL AND RETAINER FOR CETOP 03	56030
14	8	TEST COUPLING W/BALL M16x2/G1	11993
1	7	SUBPLATE CETOP 03	43589
1	6	SEQUENCE VALVE, CETOP 03	55751
1	5	PRESSURE RED. VALVE	56029
1	4	4/3 DIR. VALVE, EL. OPER., MARINE	48962
2	3	LOAD CTRL. /LOAD DRAIN VALVE	55731
2	2	HYDR. CYLINDER W/SENSOR	55572
1	1	PROPORTIONAL VALVE	57764

Qty.	Item	Description	Drwg./Material	Unit weight	Part number
Date	10-DEC-05	Drawn	JHB	Traced	KE
Checked	BRT	Approved	OH	Projection	NA
Scale: NA					
Replaces: Replaced by:					
Format: Drawing number: Rev.:					

HIGH EFFICIENCY JACK-UP B276

TORQUE MASTER, MAIN TONG DOLLY

HYDRAULIC FLOW DIAGRAM, SHEET 03

UM 1818049

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