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
THIS IS A COMPUTER AIDED DRAWING AND MUST NOT BE ALTERED MANUALLY

Tolerances except as noted		Welding except as noted		
Rev.	Description of revision	Chck.	Appr.	Date / Sign.
0	ISSUED FOR CONSTRUCTION	BRT	OH	07-FEB-07/KE
A	REMOVED HOSE H32. ADDED INSERT NO 2 ON HOSE S	BRT	TE	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 HVLp)
 - 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
- PNEUMATIC TUBE:**
- POLYAMIDE PA 11 OR POLYURETHANE
 - IDENTIFIED ON FLOW DIAGRAM WITH "-PA11" OR "-PUR" ADDED TO THE TUBE DIMENSION

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, MANFOLD IN DERRICK
SHEET NO MH DRWG NO		CONTENTS OF DRAWING

	24	FIXED THROTTLE, G1/4", Ø1,6			50575	
1	23	MANIFOLD			5051289	
2	22	SURFACE MOUNTED PT100			57363	
2	21	15M CABLE W/QUICK CONNECTOR			55126	
2	20	PROXIMITY SWITCH			55125	
1	19	TWL HEAD			/////	
6	18	WASHJET, SPRAY NOZZLE			42375	
1	17	AIR ACTUATED ATOMIZER			57575	
1	16	FIXED THROTTLE, G1/4, Ø 0,4			50571	
1	15	FIXED THROTTLE, G1/4, Ø 1,0			50573	
5	14	TEST COUPLING W/BALL M16x2/G1			11993	
2	13	CHECK VALVE			19581	
1	12	CHECK VALVE			56032	
1	11	PRESSURE RELIEF VALVE			29500	
1	10	3/2 BALL VALVE W/SINGLE ACT.			55759	
1	9	3/2 BALL VALVE W/SINGLE ACT.			55757	
5	8	ATEX SOLENOID KL. EEX ME II T4			51548	
5	7	3/2 DIR. VALVE EL/SPRING			55838	
1	6	MANIFOLD FOR CAVITY T-11A			56841	
1	5	STEEL BODY FOR CAVITY-T-11A			54047	
3	4	COUNTERBALANCE VALVE,CART.			56810	
1	3	HYDRAULIC CYLINDER DRWG 04447			57411	
1	2	HYDRAULIC CYLINDER			56225	
1	1	CONTROL VALVE BLOCK			57782	
Qty.	Item	Description	Drwg./Material		Unit weight	Part number
Date	10-DEC-05		Drawn	JHB	Traced	KE
Checked	BRT		Approved	OH	Projection	
			Scale		NA	
					