

COMP. ID	FUNCTIONAL DESCRIPTION
01	AIR SUPPLY SHUT-OFF/BLEED VALVE
02	AIR FILTER AND PRESSURE REDUCER
03	AIR LUBRICATOR
04	EMERGENCY SHUT-OFF AND BLEED VALVE
05	SUPPLY AIR PRESSURE GAUGE
06	ASSEMBLY YOKE
07	ASSEMBLY YOKE
08	ASSEMBLY YOKE CONNECTOR
09	ASSEMBLY YOKE CONNECTOR
10	THREAD LUBRICANT PUMP UNIT
11	HYDRAULIC SHUT-OFF PILOT STAGE
12	PIPE DOPE PUMP SHUT-OFF
13	WATER SHUT-OFF PILOT VALVE
14	HYDRAULIC SHUT-OFF SURGE DAMPER
15	WATER SHUT-OFF VALVE
16	TEST POINT HYDR. SUPPLY PRESSURE
17	TEST POINT HYDR. RETURN PRESSURE
18	TEST POINT HYDR. DRAIN PRESSURE
19	TEST POINT AIR SUPPLY PRESSURE
20	TEST POINT WATER SUPPLY PRESSURE
21	TEST POINT WATER RETURN PRESSURE
22	THREAD LUBRICANT PRESSURE GAUGE
23	-
24	SERVICE LOOP INTERFACE MANIFOLD
25	COIL FOR PIPE DOPE PUMP SHUT-OFF PILOT
26	COIL FOR PIPE WATER SHUT-OFF PILOT
27	DOPE RESERVOIR ALMOST EMPTY
28	CONNECTOR AND CABLE FOR ID26
29	EMERGENCY STOP RELIEF AIR SILENCER

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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	Chk.	Appr.	Date / Sign.
0	ISSUED FOR CONSTRUCTION		CH	06-MAR-07/KE

NOTE!

HYDRAULIC TUBE / PIPE / FITTING:
PROPERTIES ACC. TO MH STD. PIPING SPECIFICATION, SA17-0001, PIPING CLASS SHEET(S): IS01 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)
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 14:
ADJUST TO PRESSURE SURGE AT ENABLING IS DAMPENED

ID 22:
THROTTLE ORIFICE TO BE REMOVED

ID 10: DOPE PUMP RAM CONTROL - PRESSURE SETTING:
REFER TO USER MANUAL OPERATION INSTRUCTIONS.

COMPRESSED AIR QUALITY REQUIREMENTS:
ACCORDING TO ISO 8573-1, CLASS 3.3.3.

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, T.W.L
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	PNEUMATIC SILENCER			42065
1	19	PRESSURE GAUGE			11080
1	18	15M CABLE W/QUICK CONNECTOR			55126
1	17	PROXIMITY SWITCH			55125
2	16	ATEX SOLENOID KL. EEX ME II T4			51548
1	15	INTERFACE MANIFOLD			56309
6	14	TEST COUPLING W/BALL M16x2/G1			11993
1	13	2/2 BALL VLV. W/PNEU. ACT.			55758
1	12	THROTTLE CHECK VALVE			22141
2	11	3/2 DIR. VALVE EL/SPRING			55838
1	10	4/2 DIR. VALVE,EL.OPER.MARINE			48961
1	9	RAM MOUNTED PUMP			31749
2	8	YOKE CONNECTOR KIT			37517
1	7	SINGLE YOKE			37519
1	6	DOUBLE YOKE			37525
1	5	PRESSURE GAUGE Ø50, 0-10 BAR			26896
1	4	SOFT START/DUMP VALVE			56121
1	3	LUBRICATOR, MICRO-FOG			37518
1	2	FILTER REGULATOR			37515
1	1	SHUT OFF VALVE			10978
Qty.	Item	Description	Drwg./Material		Unit weight Part number
Date 04-NOV-05	Drawn JHB	Traced KE	Scale NA		
Checked BKT	Approved CH	Projection 			
HIGH EFFICIENCY JACK-UP B276 TORQUE MASTER, MANIFOLD IN DERRICK HYDRAULIC FLOW DIAGRAM, SHEET 01				Replaces	Replaced by
				Format A1	Drawing number UM 1818047
				Rev. 0	