

VALVE OPERATION AND REQUIRMENTS (7) SYSTEM PRESSURE RELIEF VALVE; - SET AT 1500 P.S.I. (9) PRESSURE REDUCING VALVE: THIS VALVE IS USED FOR REDUCED PRESSURE TO OPERATE SKID CLAMPS AND SHIFT TABLE. SET THIS PRESSURE TO THE POINT WERE THE SHIFT TABLE WILL OPERATE UNDER MAXIMMM COIL LOAD, GREATER PRESSURES MAY CAUSE THE SKID CLAMP CYLINDERS TO DAMAGE THE SKIDS. (11) CHECK VALVES WITH INTERNAL ORIFICE: THESE MALUES ARE MOUNTED IN THE TILTING CYLINDER PORTS CAUSING FREE FLOW INFOTHECYLINDER AND AT ICONTROLLED FLOW OUT OF THE CYLINDER. THE ORIFICE INDUCES POWER LOWERING OF THE TILTING FRAME. ALSO IN CASE OF A HYDRAULIG, POWER LOSS THE FRAME WILL LOWER UNDER A CONTROLLED CONDITION. (13) PILOT OPERATED CHECK VALVE: THIS VALUE IS USED AS A HYDRAULIC LOCK TO FIX THE CLAMP CYLINDERS IN ANY EXTENDED OR RETRACTED POSITION. NAME OF AN ELECTRIC OR HYDRAULIC PUMP POWER LOSS, OPENING THESE VALVES ALLOWS THE TITING FRAME TO LOWER. ALSO DURING MAINTANFRICE AND POWER IS NOT AVAILABLE, OPENING THESE VALVES WILL ALLOW THE TITLING FRAME TO BE TILTED BY A HOISTOR JACK. OPEN THIS VALVE TO SET OR READ SYSTEM PRESSURE . . OPENTHIS VALVE TO SET OR READ READ REDUCED PRESSURE 17 TILTING CYLINDER VALVE ENERGIZE THIS VALVE AND THE TILTING FRAME WILL BE PIVOTED BY HYDRAULIC CYLINDER (28). NOTE: THIS IS AN INTERNAL PILOT OPERATED SOL. VALVE AND WILL NOT OPERATE IF PUMP PRESSURE IS NOT AVAILABLE. (18) SKID CLAMP CYLINDER VALVE WHEN THIS VALVE HAS BEEN ENERGIZED THE CLAMP CYLINDERS WILL EXTEND OR RETRACT WHEN THIS VALVE HAS DEEN EMERGIZED THE CLAMP CTIMBERS WILL EXTENDED THE AS REQUIRED. THIS IS A DETENTED VALVE AND WILL REMAIN IN EITHER OF ITS TWO POSITIONS UNTIL. IT HAS BEEN RE-ENERGIZED. IF DURING MANUAL MODE THE CLAMP CYLINDERS ARE EXTENDED THEY SHOULD BE RETURNED TO THE STARTING MODE (SEE MANUAL MODE). 19 TABLE SHIFT CYLINDER VALVE OPERATION OF THIS VALVE WILL EXTEND OR RETRACT THE SHIFT TABLE CYLINDER WALVE (AS REQUIRED). (23) HYDRAULIC PRESSURE SWITCH A REQUIRMENT OF THE AUTO MODE IS A SENSING SWITCH TO INDICATE THE SHIFT TABLE IS IN POSITION AND IS READY FOR TILTING. (31) GAGE SNUBBER WITH INTERNAL ORFICE THE INTERNAL ORIFICE OF THIS SNUBBER VALVE IS USED AS A TIME DELAY OF PRESSURE BUILD UP IN PRESSURE SWITCH (2). SEQUENCE OF OPERATION STARTING MODE (REF TO FIG.) THE CYLINDER WILL BE EXTENDED, TABLE SHIFT CYLINDER WILL BE RETRACTED, SHID CLAMP CYLINDER WILL BE RETRACTED. SET OPERATORS SEL SWITCH TO AUTO OR "MANUAL MODE. I FAN' OF THESE CYLINDERS ARE DUT OF POSITION RETURN THEM TO \$TARTING MODE BY FOLLOWING THE PROCEDURE UNDER MANUAL MODE. EACH OF THE THREE FUNCTIONS OF THE COIL TILTER CAN BE ACTUATED BY PI\$H BUTTON. AFTER THE MYDRAULIC PUMP MOTOR HAS BEEN STARTED TURN THE OPERATOR'S SELECTOR SWITCH TO MANUAL THEN SELECT THE PROPER PUSHBUTTON FOR DESIRED FUNCTIONS. RELEASING THE BUTTON WILL CAUSE THAT FUNCTION TO STOP EXCEPT THE CLAMP CYLINDER. THE CLAMP CYLINDERS WILL ALWAYS BE FULLY EXTENDED UNLESS THEY ARE STOPPED BY CLAMPING A SKID. 20 AUTO MODE FORWARD TILT A 19 1 O MODE FORWARD THE TABLE THE FACE MODE AND THE PERSON DOES SELECTION SWITCH HAS REPORTED THE FOR THE PROPERTY OF THE PERSON OF T AND MODE REVIEWS THE THE PROPERTY OF THE PROPE SYMOTY

> PINESS OFFERWER SPECIFIE 127 MICROINCH CINICH DIAGRAM - HYDRAULIC - GRAPHICAL - GOWZ 0.001" COIL TILTER XXXX FUTURE USE D-150979

GAUGE SNUBBER - 93865

DNE (TT. #20150-6-6-00E FITT. #20150-6-6-00E FITT. #20150-6-6-00E FITT. #20150-6-6-00E FITT. #20150-6-00E FI

093957

091517

091898

093002

D-121550

YL - ORTHAN-MILLER? TABLE : SERIES IDI, MOD. FM-3 - BORE : M.S. STROKE YL - ORTMAN - MILLER - /

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HOSE "RAPHER" - ASSY. # 301-6-GNE FITT # 20130 - 6-6 ONE FITT. #23630-6-6-37"FEH GMV 5.1, 68"

MANIPOLD - LITTELL --HYDRAULIC - HIGH PRESS.

FILTER- P. WANNIFIN (ROSAEN) MODEL * 10-T-74W-MC-3-D-3-5 MOTOR BALL BRG 190 NG 36 VOIZ FR 125T LEE PUPPE MODEL VO 2918

TANK-"LITTELL" FLAT

DESCRIPTION

PARTS LIST

VALVE - MARCH - 900 093011 VALVE 'P/H HANATROL'-CARTRIDGE MODEL PMVI - COD-5 VALVE - VICKERS - P.O. CHECK #4CG-05-A-20

VALVE - VICKERS - PRESS ROU HOS ALE OF SET OFFEN MORE HOS ALEDON'S ADD - INC. (APPR MALVE - VICKERS - PRESS VALVE - VICKERS - PRESS PRESS PRESS - OSC - 405 - 8 092501 HYDRAULIC - LOW PRESS (-13.155)