1 **INPUT GROUP REFERENCE PLANE**
2 **PTO GROUP REFERENCE PLANE**
3 **LEFT MOUNTING BRACKET FACE**
4 **RIGHT MOUNTING BRACKET FACE**
5 **PUMP MOUNTING FACE**

A. PROPORTIONAL CONTROL VALVE OPERATION
1. WARNING DO NOT CONNECT VALVE COIL DIRECTLY TO BATTERY/POWER SUPPLY VOLTAGE.
2. OPERATION TO BE PERFORMED WITH ONLY TWIN-DISC CONTROL SYSTEM MODULES.

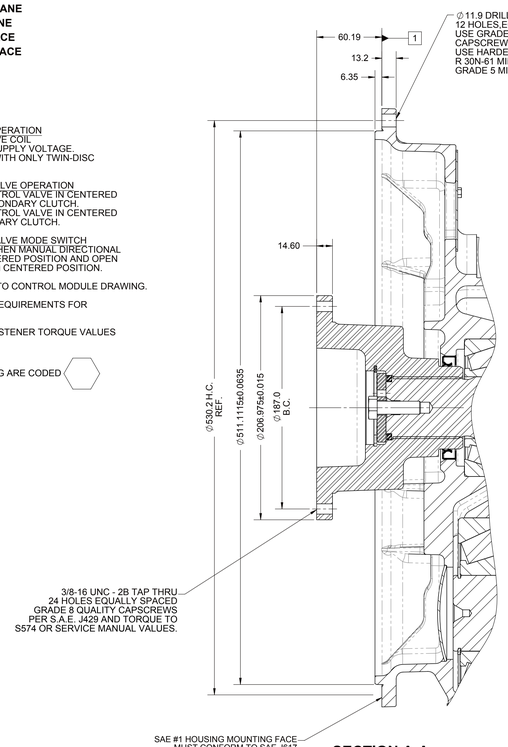
B. MANUAL DIRECTIONAL CONTROL VALVE OPERATION
1. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION, PUSH TO ENGAGE SECONDARY CLUTCH.
2. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION, PULL TO ENGAGE PRIMARY CLUTCH.

C. MANUAL DIRECTIONAL CONTROL VALVE MODE SWITCH
1. SWITCH IS NORMALLY CLOSED WHEN MANUAL DIRECTIONAL CONTROL VALVE IS IN THE CENTERED POSITION AND OPEN WHEN LEVER IS ACTUATED FROM CENTERED POSITION.
2. CURRENT = 20 AMPS MAX.
3. FOR WIRING SCHEMATIC, REFER TO CONTROL MODULE DRAWING.

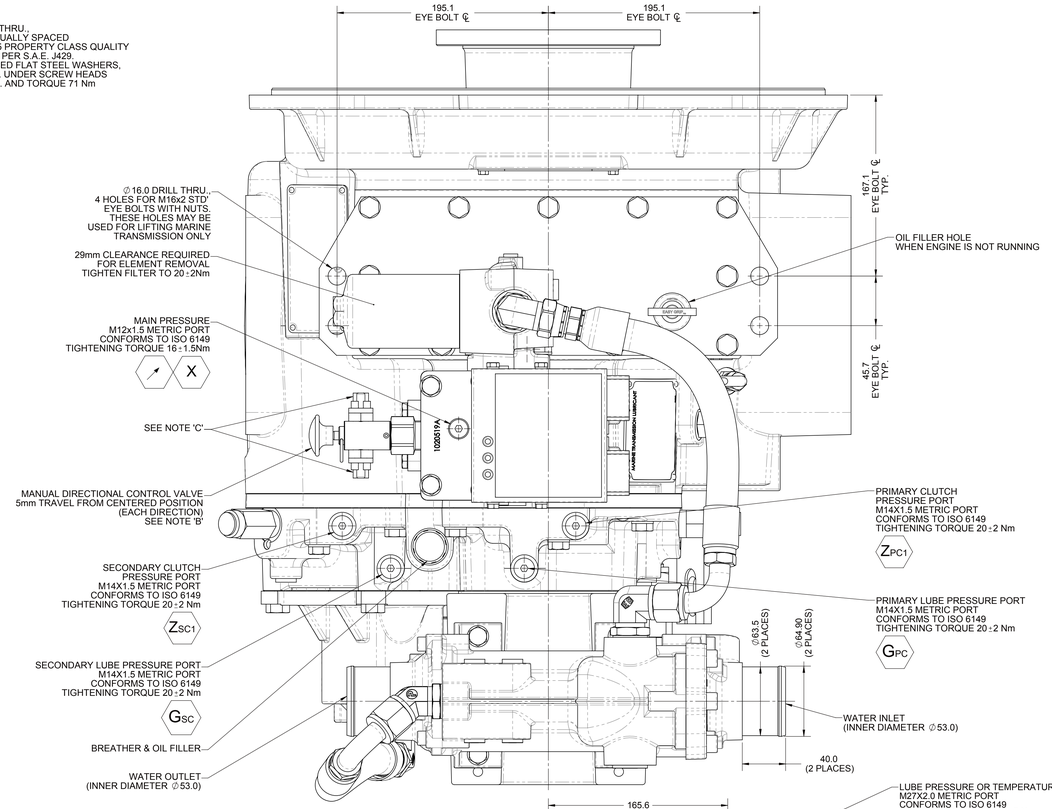
D. REFERENCE S930 FOR TWIN DISC REQUIREMENTS FOR PRESSURE AND ALARM LEVELS.

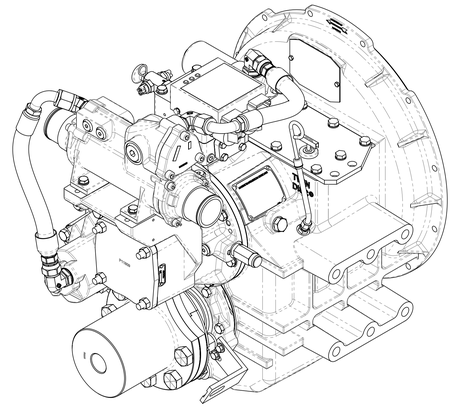
E. UNLESS OTHERWISE SPECIFIED, FASTENER TORQUE VALUES PER S574 STANDARD.

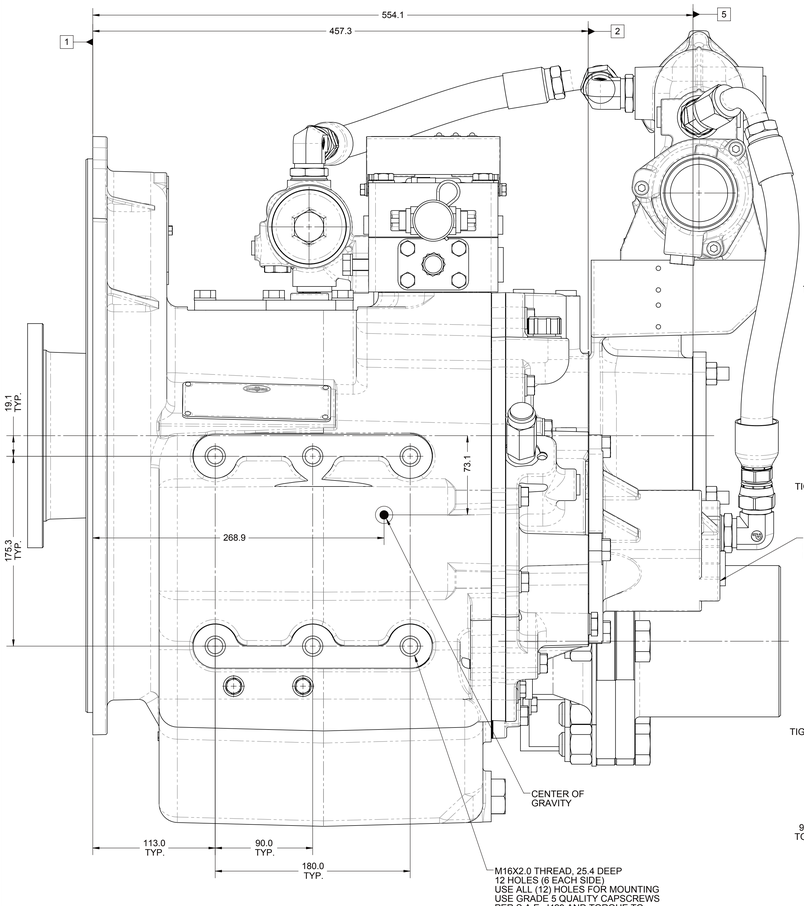
F. ALL POINTS AVAILABLE FOR TESTING ARE CODED (F)

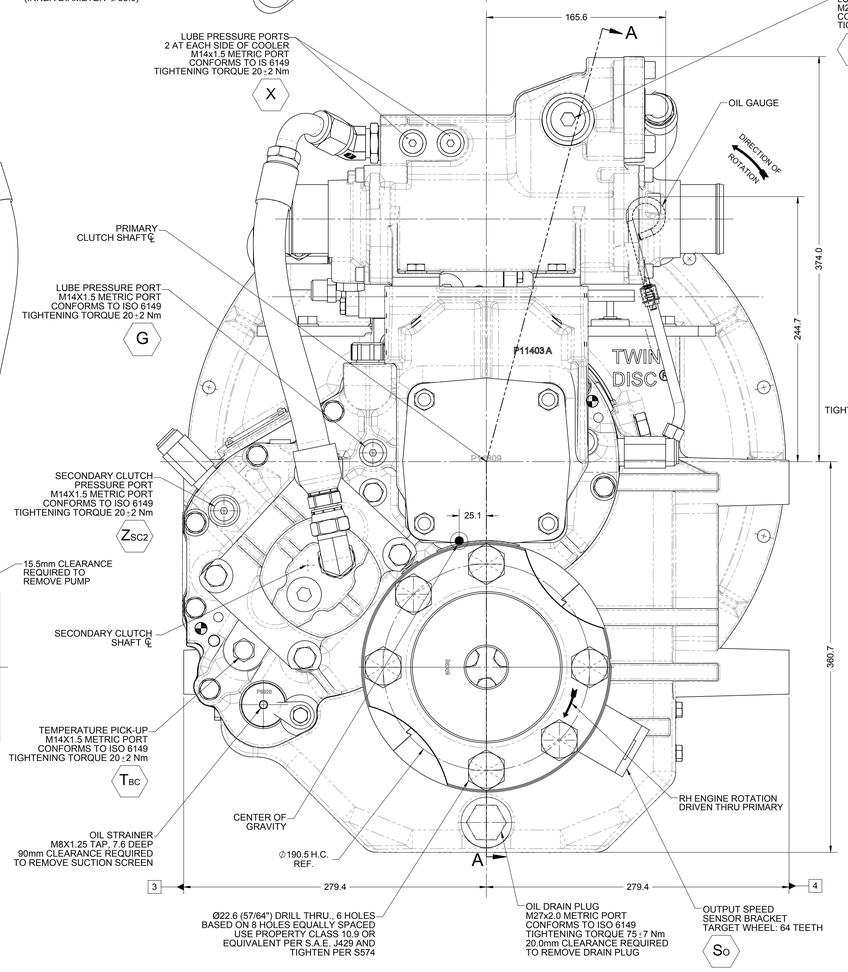


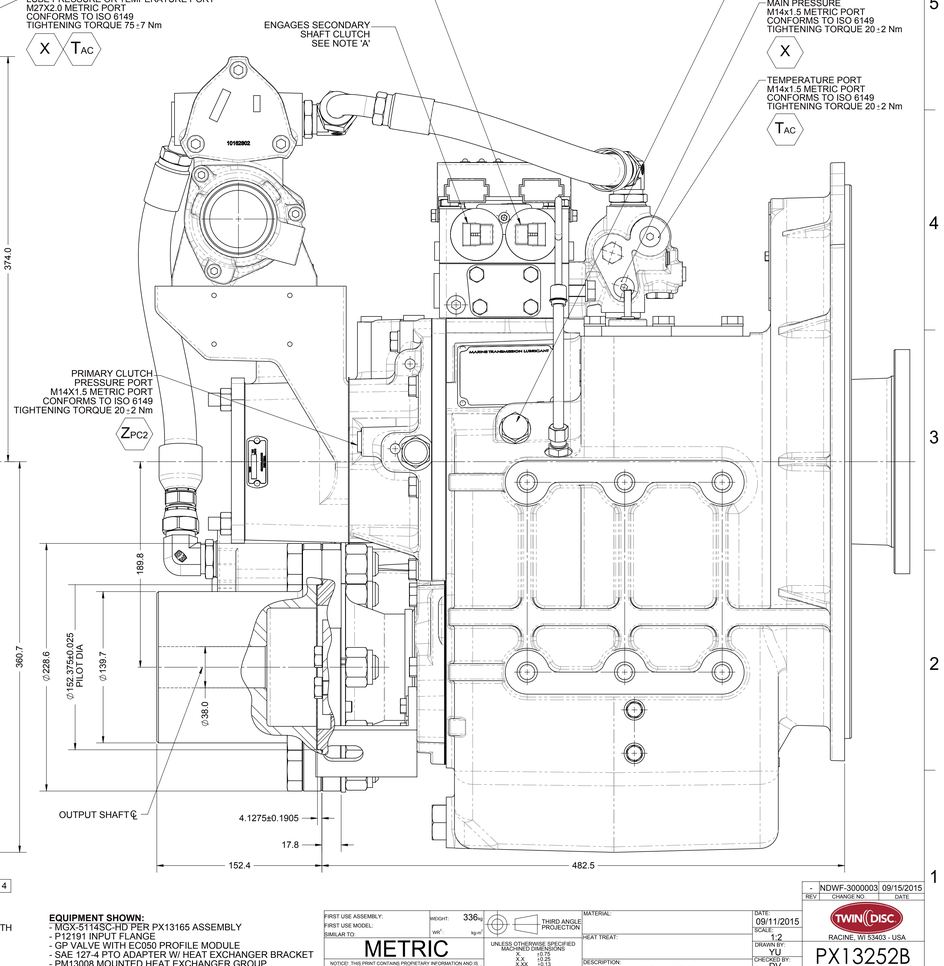

**SECTION A-A**






**EQUIPMENT SHOWN:**
- MGX-5114SC-HD PER PX13165 ASSEMBLY
- P12191 INPUT FLANGE
- GP VALVE WITH EC050 PROFILE MODULE
- SAE 127-4 PTO ADAPTER W/ HEAT EXCHANGER BRACKET
- PM13008 MOUNTED HEAT EXCHANGER GROUP
- PX9842 COMPANION FLANGE

| | | | | | |
|---|---|---|---|---|---|
| FIRST USE ASSEMBLY: | WEIGHT: 336 lb | THIRD ANGLE PROJECTION | MATERIAL: | DATE: 09/11/2015 | - NDWF-3000003 09/15/2015 |
| FIRST USE MODEL: | WT: kg | | | SCALE: 1:2 | REV. CHANGE NO. DATE |
| SIMILAR TO: METRIC | UNLESS OTHERWISE SPECIFIED MACHINED DIMENSIONS .XX ±0.10 .XXX ±0.05 ALL ANGLES ±0.5° TOLERANCING PER ASME Y14.5M 1994 | | HEAT TREAT: | DRAWN BY: YU | TWIN DISC RACINE, WI 53403 - USA |
| NOTICE: THIS PRINT CONTAINS PROPRIETARY INFORMATION AND IS NOT TO BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF TWIN DISC, INCORPORATED THIS NOTICE IS NOT INTENDED TO LIMIT ANY RIGHTS GRANTED TO THE U.S. GOVERNMENT OR OTHERS BY CONTRACT. | | | DESCRIPTION: INSTALLATION MGX-5114SC-HD | CHECKED BY: DV | PX13252B |
| | | | | APPROVED BY: DV | DWG SIZE: A0 SHEET: 1 OF 1 REV: - |

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