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

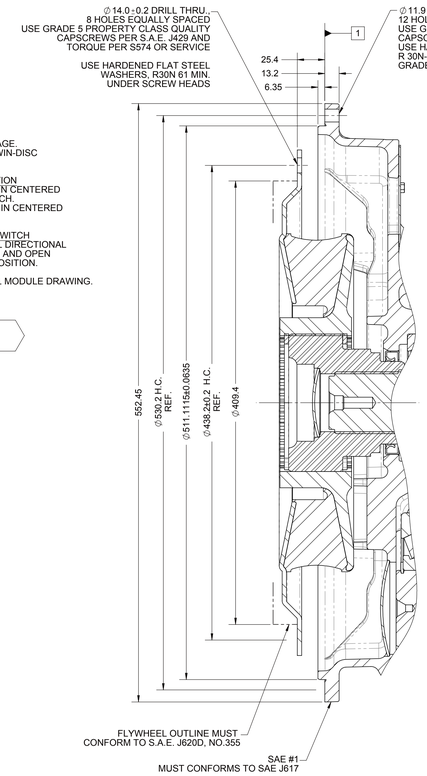
A. PROPORTIONAL CONTROL VALVE OPERATION
1. WARNING DO NOT CONNECT VALVE COIL DIRECTLY TO BATTERY/POWER SUPPLY VOLTAGE.
2. OPERATION TO BE PERFORMED WITH ONLY TWIN-DISC CONTROL SYSTEM MODULES.

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.

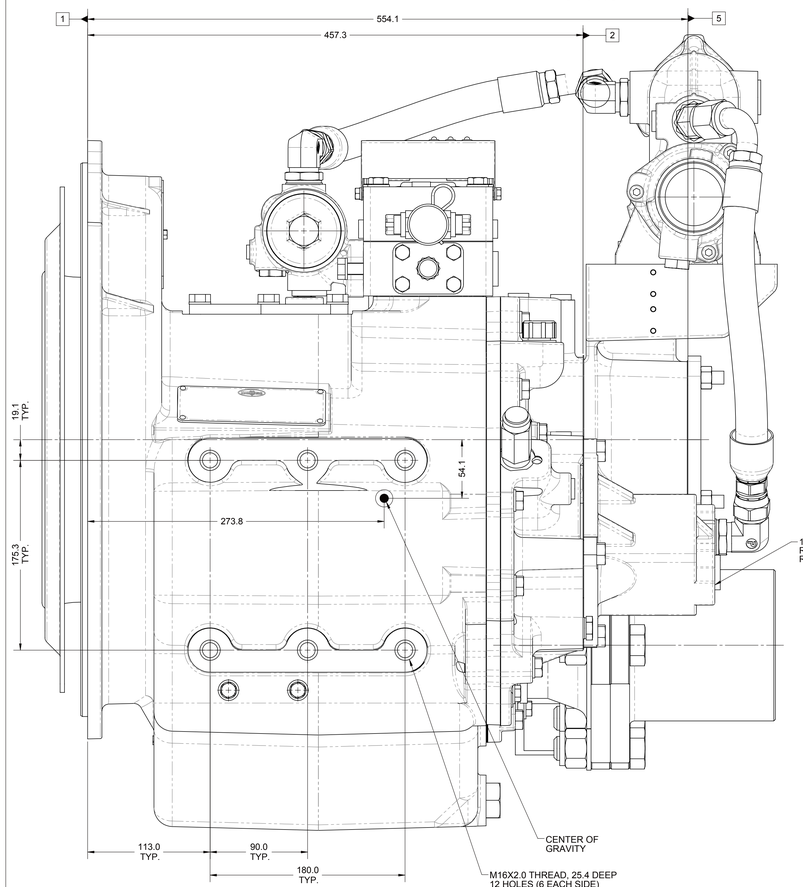
C. MANUAL DIRECTIONAL CONTROL VALVE MODE SWITCH
1. SWITCH IS NORMALLY CLOSED WHEN MANUAL DIRECTIONAL CONTROL VALVE IS IN THE CENTERED POSITION AND OPEN WHEN LEVER IS ACTUATED FROM CENTERED POSITION.
2. CURRENT = 20 AMPS MAX.
3. FOR WIRING SCHEMATIC, REFER TO CONTROL MODULE DRAWING.

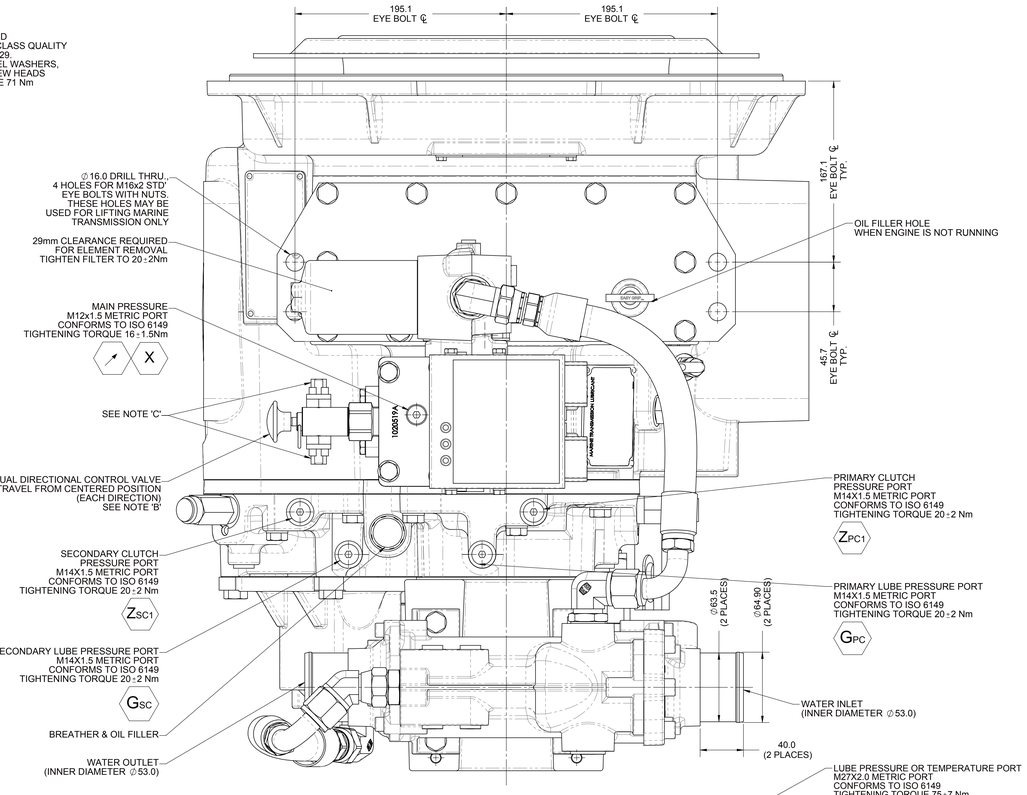
NOTE:

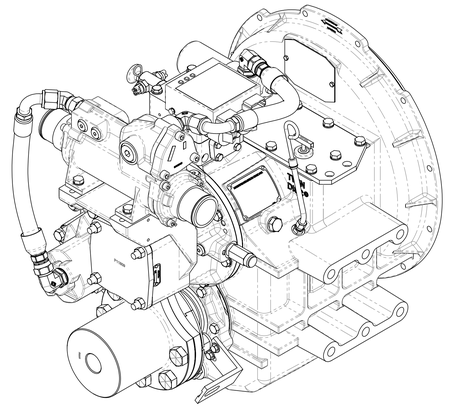
ALL POINTS AVAILABLE FOR TESTING ARE CODED

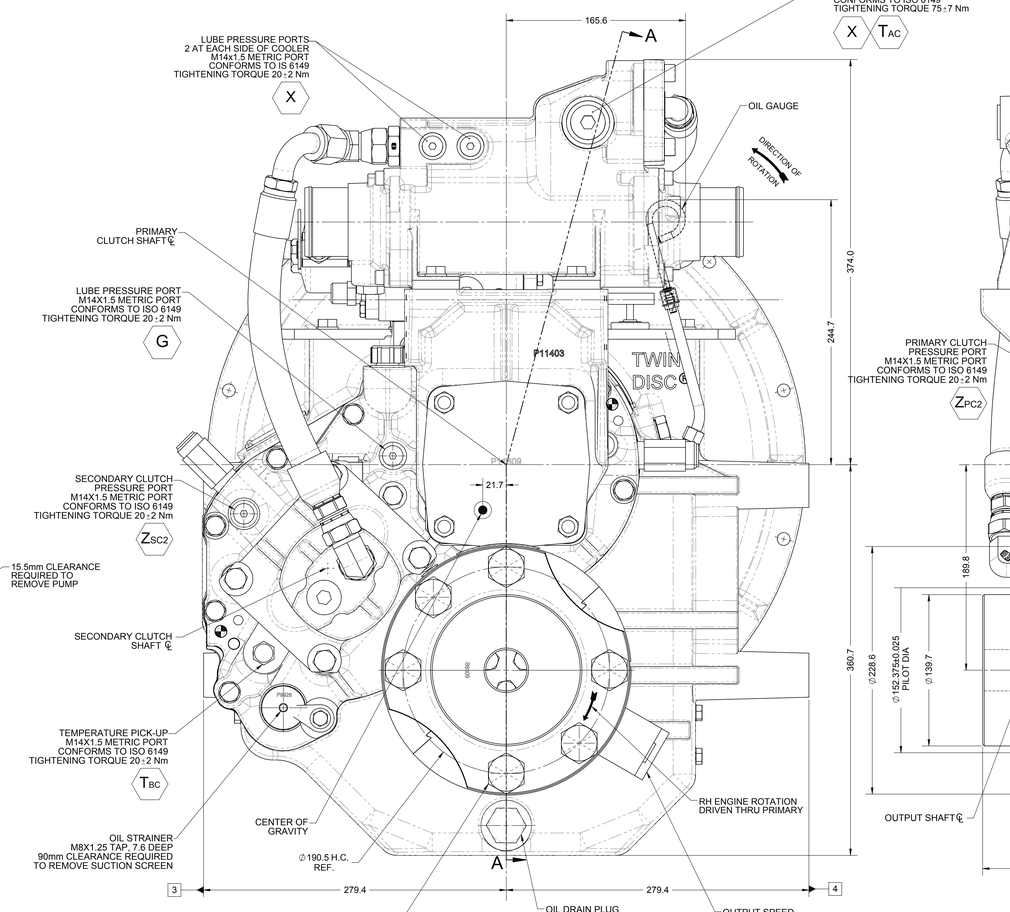


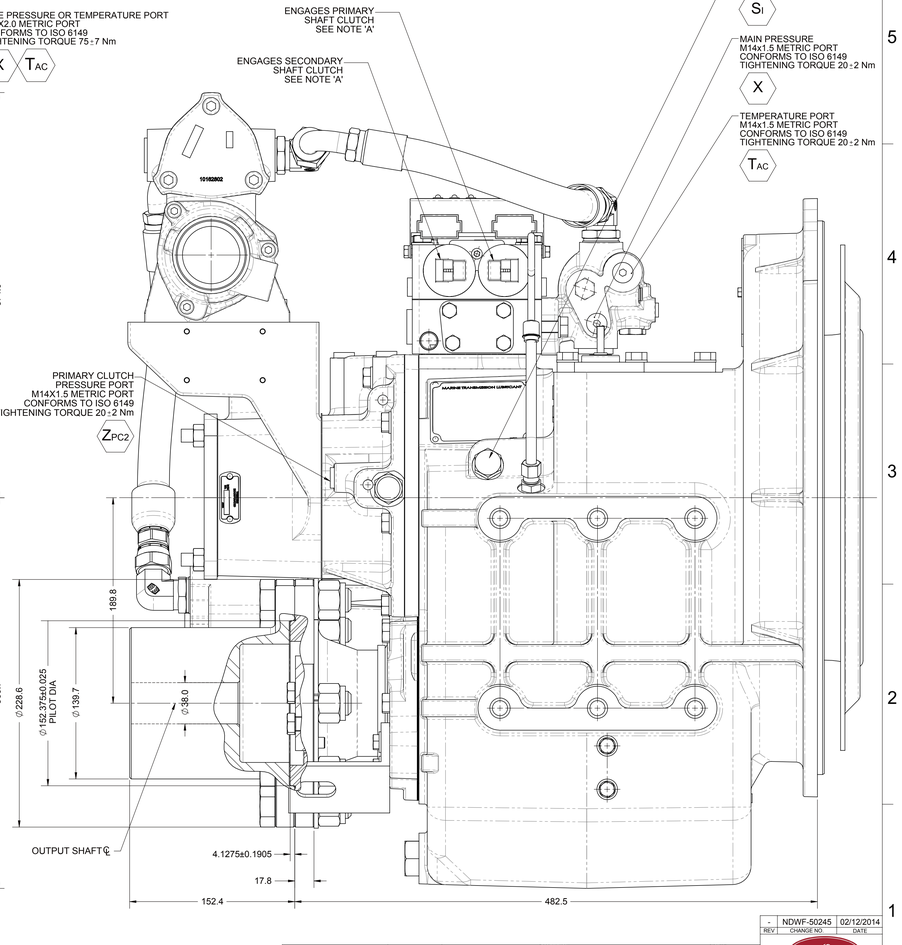
SECTION A-A











EQUIPMENT SHOWN:
- MGX-5114SC-HD PER PX13165 ASSEMBLY
- SAE #1/SAE 355 VULKAN VKE-4010 SERIES
- 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: 345.78 kg	THIRD ANGLE PROJECTION	MATERIAL:	DATE: 01/03/2014	TWIN DISC RACINE, WI 53403 - USA
FIRST USE MODEL:				SCALE: 1:2	
SIMILAR TO:		UNLESS OTHERWISE SPECIFIED MACHINED DIMENSIONS .X ±0.75 .XX ±0.25 .XXX ±0.13 ALL ANGULAR TOLERANCES ±1° GEOMETRIC TOLERANCING PER ASME Y14.5M 1994	HEAT TREAT:	DRAWN BY: PM	PX13252
METRIC				CHECKED BY: BF	
NOTICE: THIS PRINT CONTAINS PROPRIETARY INFORMATION AND IS NOT TO BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF TWIN DISC, INCORPORATED			DESCRIPTION: INSTALLATION MGX-5114SC-HD	APPROVED BY: DV	DWG SIZE: A0 SHEET: 1 OF 1 REV: -
PATENTS PENDING OR U.S. GOVERNMENT RIGHTS GRANTED TO THE U.S. GOVERNMENT FOR CAUSE BY CONTRACT.					

REV.	CHANGE NO.	DATE
-	NDWF-50245	02/12/2014

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