1 INPUT GROUP REFERENCE PLANE

2 PTO ADAPTER MOUNTING FACE

3 LEFT MOUNTING BRACKET FACE

4 RIGHT MOUNTING BRACKET FACE

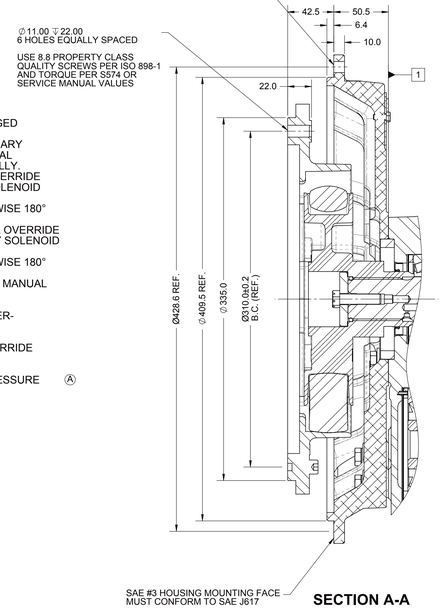
5 LIVE PTO PUMP MOUNTING FACE

Ø10.3 DRILL THRU., 12 HOLES
USE GRADE 5 QUALITY CAPSCREWS
PER SAE J429 AND TORQUE TO S574
OR SERVICE MANUAL VALUES.

USE HARDENED FLAT STEEL WASHERS
R30N 61 MINIMUM UNDER SCREW HEADS.

⌀11.00 ⌄ 22.00
6 HOLES EQUALLY SPACED

USE 8.8 PROPERTY CLASS
QUALITY SCREWS PER ISO 898-1
AND TORQUE PER S574 OR
SERVICE MANUAL VALUES



SECTION A-A

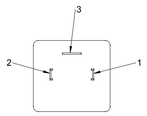
APPLICATION NOTES:

A. MANUAL OVERRIDE VALVE OPERATION
   1. THE MANUAL OVERRIDE FEATURE FOR THE PRIMARY AND SECONDARY SOLENOIDS MUST NEVER BE ENGAGED SIMULTANEOUSLY.
   2. THE MANUAL OVERRIDE BUTTON FOR BOTH THE PRIMARY AND SECONDARY SOLENOIDS MUST BE IN THE NEUTRAL POSITION TO OPERATE EITHER SOLENOID ELECTRICALLY.
   3. TO ENGAGE PRIMARY CLUTCH USING THE MANUAL OVERRIDE
      a. REMOVE PROTECTIVE CAP FROM THE PRIMARY SOLENOID
      b. PUSH BUTTON DOWN
      c. CONTINUE TO PUSH BUTTON AND ROTATE CLOCKWISE 180°
      d. RELEASE BUTTON
   4. TO ENGAGE SECONDARY CLUTCH USING THE MANUAL OVERRIDE
      a. REMOVE PROTECTIVE CAP FROM THE SECONDARY SOLENOID
      b. PUSH BUTTON DOWN
      c. CONTINUE TO PUSH BUTTON AND ROTATE CLOCKWISE 180°
      d. RELEASE BUTTON
   5. TO RETURN EITHER OF THE PRIMARY OR SECONDARY MANUAL OVERRIDE TO THE NEUTRAL POSITION:
      a. PUSH BUTTON DOWN
      b. CONTINUE TO PUSH BUTTON AND ROTATE COUNTER-CLOCKWSE 180°
      c. RELEASE BUTTON
      d. INSTALL PROTECTIVE CAP OVER THE MANUAL OVERRIDE BUTTON

B. REFERENCE S930 FOR TWIN DISC REQUIREMENTS FOR PRESSURE AND TEMPERATURE ALARM LEVELS (IF ANY). Ⓐ

C. ALL POINTS AVAILABLE FOR TESTING ARE CODED ⬡.

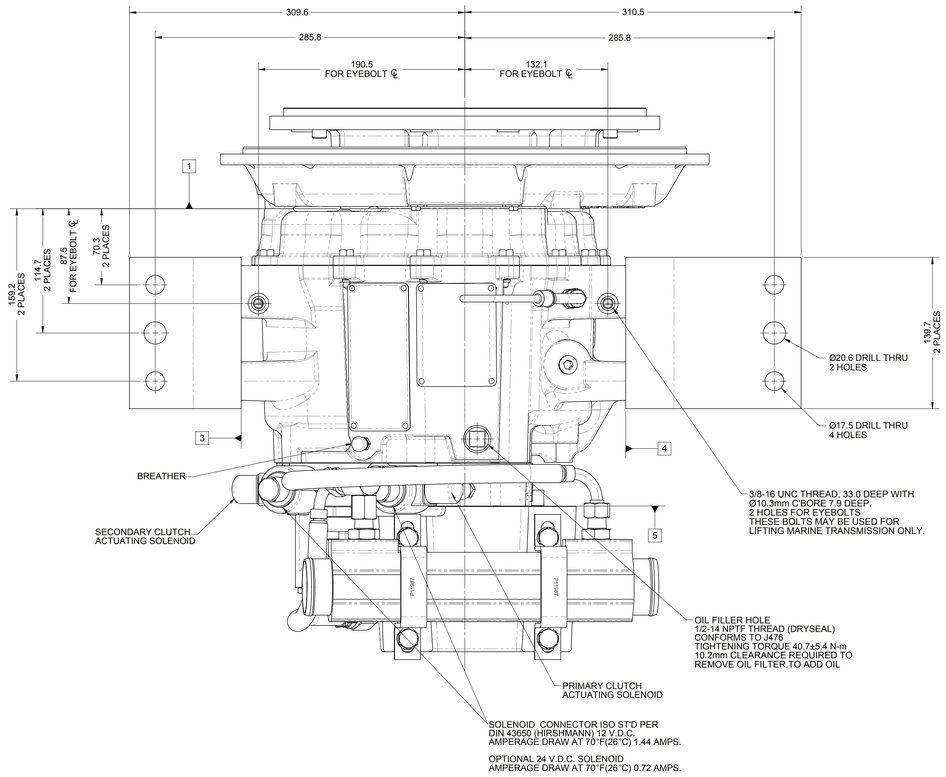
WIRING DIAGRAM :

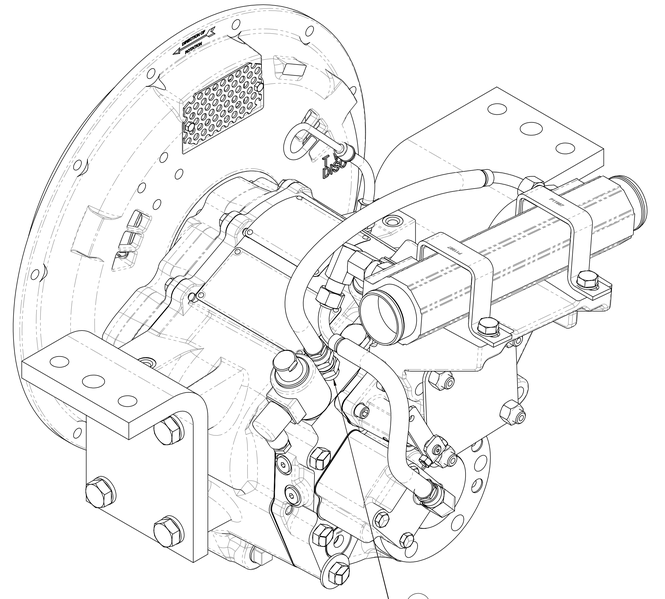


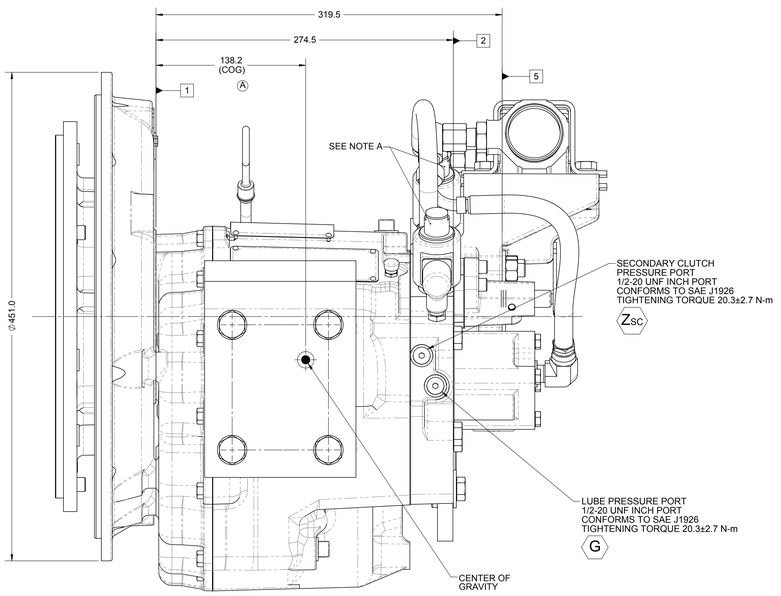
TERMINAL 1 :+ VDC

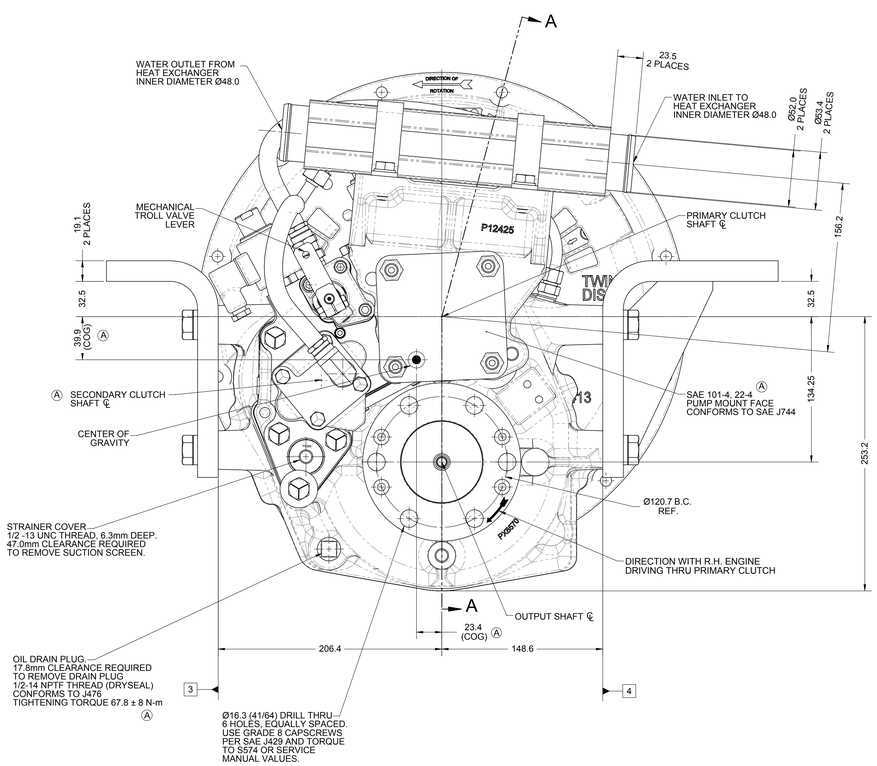
TERMINAL 2 :0 VDC

TERMINAL 3 :GROUND



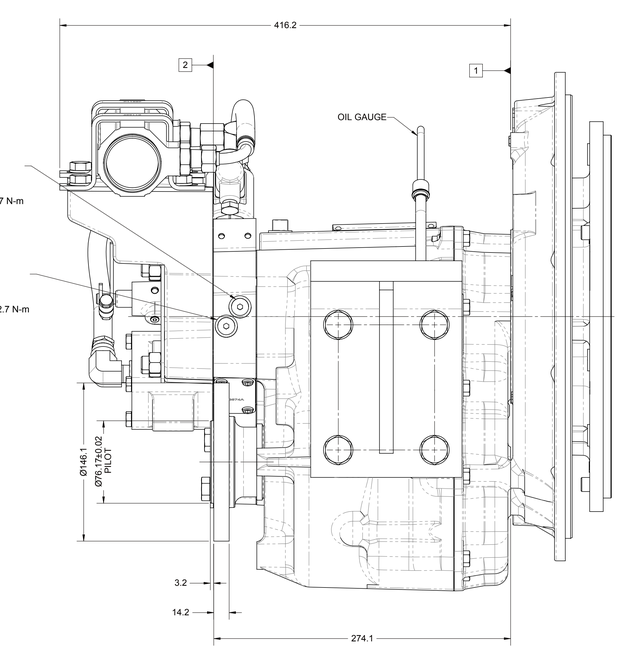






PRIMARY CLUTCH
PRESSURE PORT
1/2-20UNF THREAD
CONFORMS TO SAE J1926
TIGHTENING TORQUE 20.3±2.7 N-m
ZPC

PRIMARY CLUTCH
LUBE PRESSURE PORT
1/2-20 UNF THREAD
CONFORMS TO SAE J1926
TIGHTENING TORQUE 20.3±2.7 N-m
G



APPLICATION NOTES:
- INPUT GROUP FOR USE TO MATE APPLICABLE MODELS LIST WITH MERCURY 4.2L ENGINE.

EQUIPMENT SHOWN:
- MG-5050SC PER PX12700 ASSEMBLY
- SAE #3 PER SAE J617
- CENTA-CF-R-136-HR COUPLING PER 1029208
Ⓐ - ELECTRIC CONTROL VALVE WITH MECHANICAL TROLLING VALVE
- SAE J744 101-4, 22-4 LIVE PTO
- MOUNTED PM11990 HEAT EXCHANGER
- 1016428L MOUNTING BRACKETS

REV.	CHANGE NO.	DATE
A	ECNWF-75183	11/14/2016

FIRST USE ASSEMBLY:
FIRST USE MODEL:
SIMILAR TO:
WEIGHT: 117.7 lb / kg
THIRD ANGLE PROJECTION
MATERIAL:
HEAT TREAT:
DESCRIPTION: INSTALLATION MG-5050SC
DATE: 09/22/2014
SCALE: 1:2
DRAWN BY: MG
CHECKED BY: NFC
APPROVED BY: NFC
DWG SIZE: A0
SHEET: 1 OF 1
REV: A

METRIC

UNLESS OTHERWISE SPECIFIED
MACHINED DIMENSIONS
X ±0.76
X.X ±0.25
X.XX ±0.13
ALL ANGULAR TOLERANCES ±1°
GEOMETRIC TOLERANCING
PER ASME Y14.5M 1994

TWIN DISC
RACINE, WI 53403 - USA

PX13021D

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10254209 Rev. A

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