1 INPUT GROUP REFERENCE PLANE
2 NOT UTILIZED
3 LEFT MOUNTING BRACKET FACE
4 RIGHT MOUNTING BRACKET 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 PRIMARY CLUTCH.
2. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION, PULL TO ENGAGE SECONDARY CLUTCH.

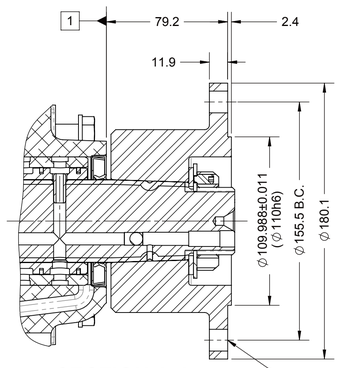
C. MANUAL DIRECTIONAL CONTROL VALVE MODE SWITCH
1. SWITCH IS NORMALLY CLOSED WHEN MANUAL DIRECTIONAL CONTROL VALVE IS IN THE CENTERED POSITION AND OPEN WHEN LEVER IS ACTUATED FROM CENTERED POSITION.
2. CURRENT = 20 AMPS MAX.
3. FOR WIRING SCHEMATIC, REFER TO CONTROL MODULE DRAWING.

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

E. MAXIMUM AND MINIMUM PERMISSIBLE DIMENSIONS FOR DRILLING ∅17.0 HOLES (TO BE DONE BY CUSTOMER) SHOWN. A TOTAL OF 10 HOLES MUST BE USED BY THE CUSTOMER TO MOUNT BRACKET TO VESSEL FRAME, 3 HOLES ON EACH SIDE AND 4 HOLES AT THE REAR OF THE MARINE TRANSMISSION.

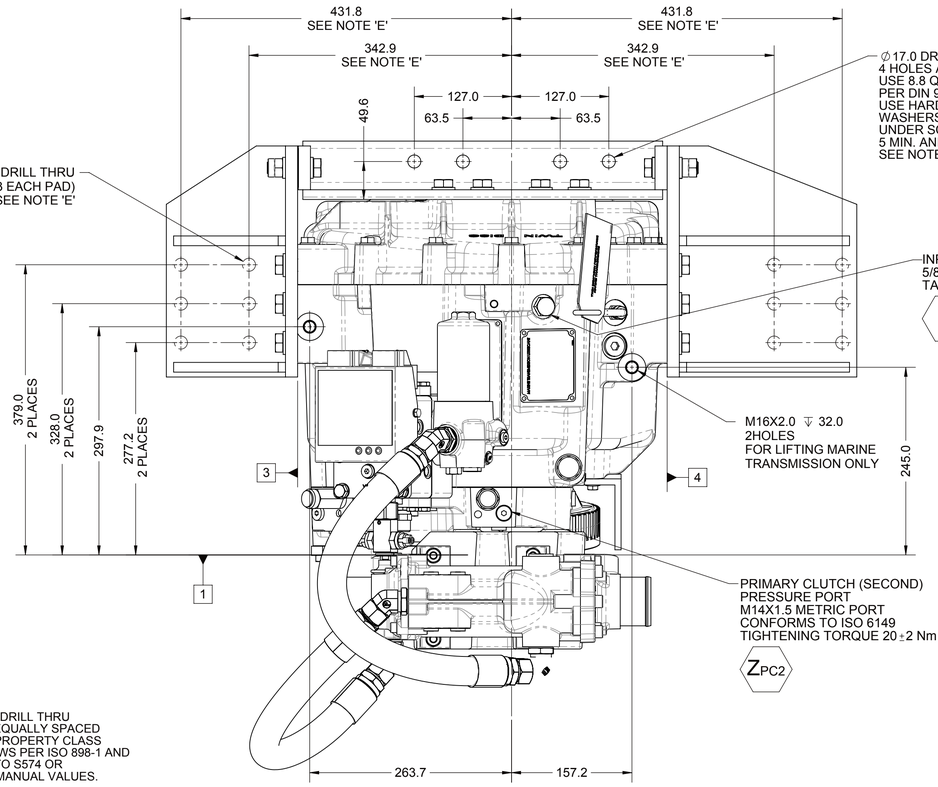
G. UNLESS OTHERWISE SPECIFIED, FASTENER TORQUE VALUES PER S574 STANDARD.

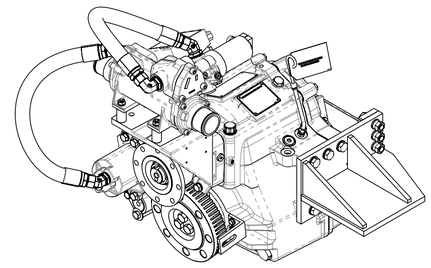
F. ALL POINTS AVAILABLE FOR TESTING ARE CODED

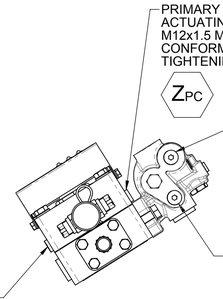


SECTION A-A
SCALE 1 : 2

Ø14.2±0.1 DRILL THRU
8 HOLES EQUALLY SPACED
USE 10.9 PROPERTY CLASS
CAPSCREWS PER ISO 898-1 AND
TORQUE TO S574 OR
SERVICE MANUAL VALUES.







PRIMARY CLUTCH(FIRST)
ACTUATING PRESSURE PORT
M12x1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 16±1.5 Nm
ZPC

TEMPERATURE PORT
M14x1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 20±2 Nm
TAC

MAIN PRESSURE
M14x1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 20±2 Nm
X

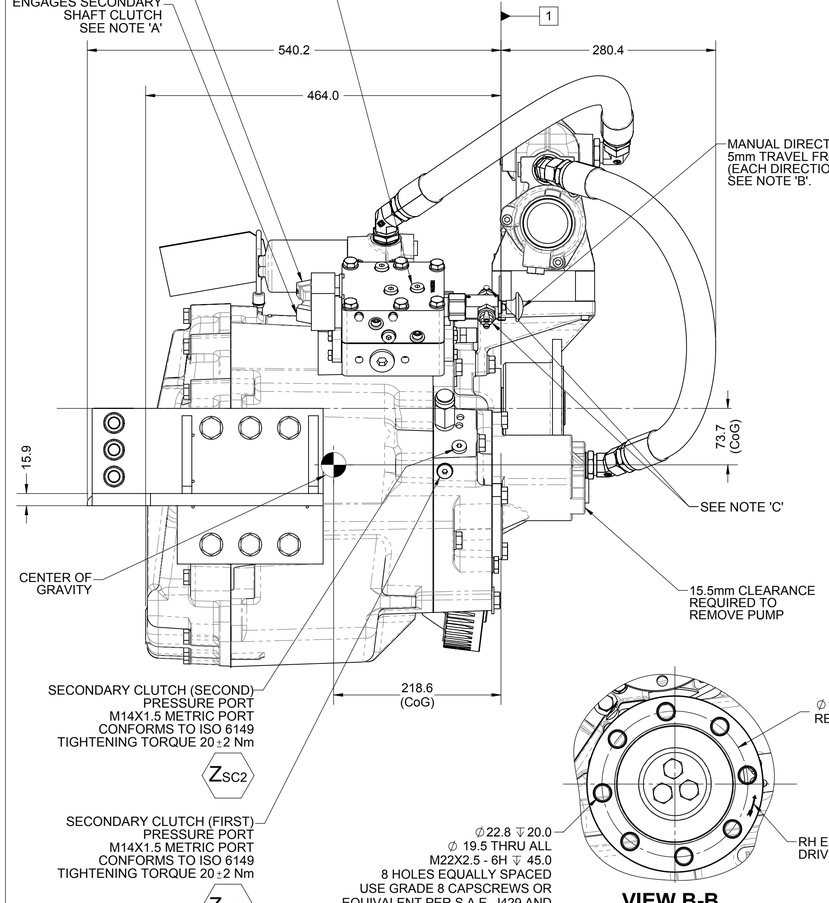
SECONDARY CLUTCH(FIRST)
ACTUATING PRESSURE PORT
M12x1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 16±1.5 Nm
ZSC

VIEW C-C

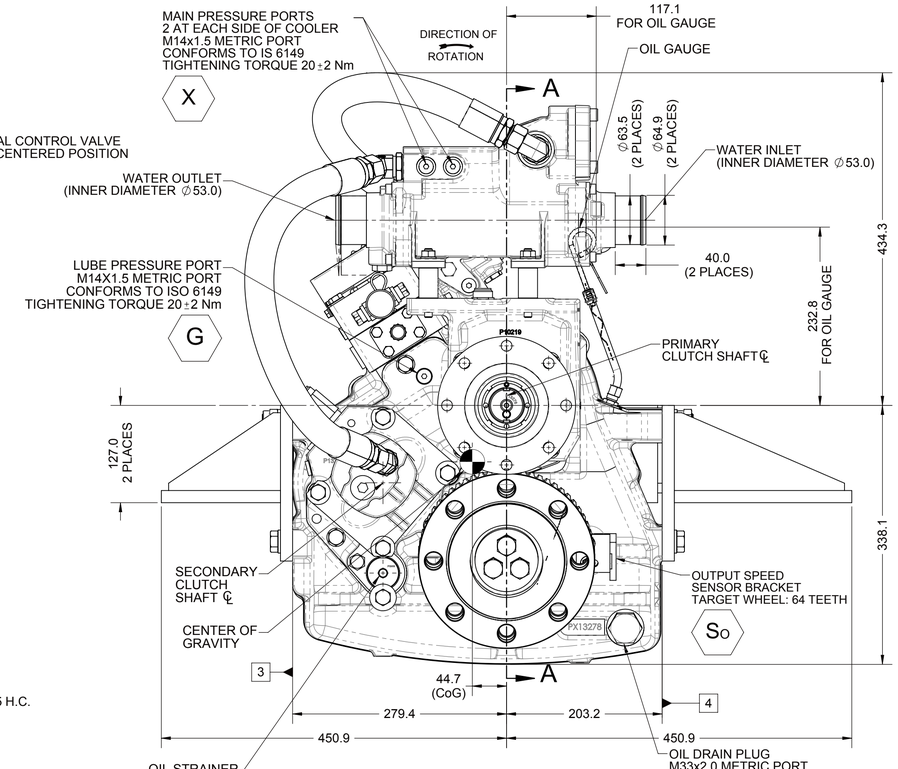
MAIN PRESSURE
M12x1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 16±1.5Nm
X

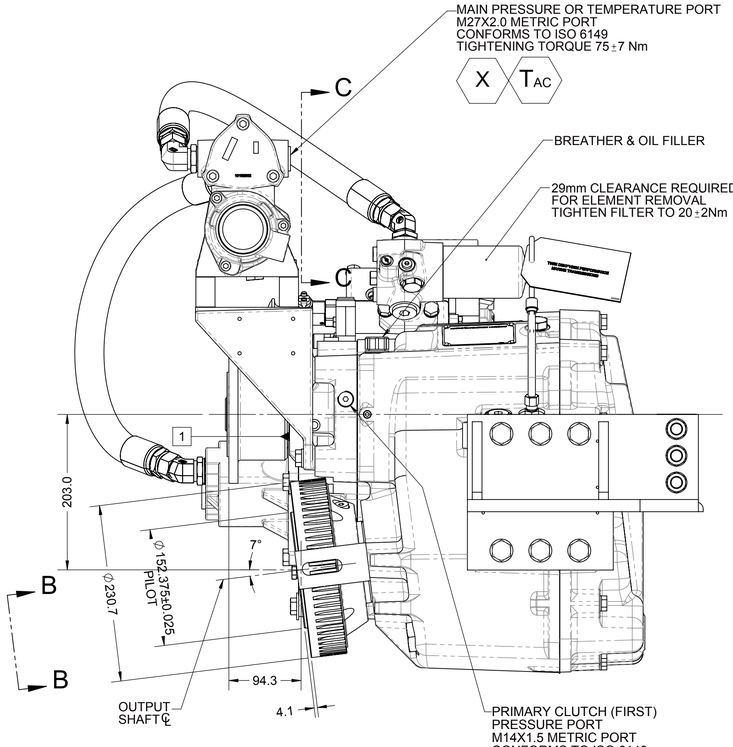
ENGAGES PRIMARY
SHAFT CLUTCH
SEE NOTE 'A'

ENGAGES SECONDARY
SHAFT CLUTCH
SEE NOTE 'A'



VIEW B-B





EQUIPMENT SHOWN:

- MGX-5114RV PER PX13270 ASSEMBLY
- GWB 587.35 FREE STANDING FLANGE
- GP VALVE EC050 PROFILE MODULE
- PM13008 MOUNTED HEAT EXCHANGER GROUP
- 1016428BJ STANDARD BRACKETS
- SHORT OUTPUT GROUP

REV	CHANGE NO.	DATE
-	NDWF-3000345	11/29/2017

FIRST USE ASSEMBLY:
FIRST USE MODEL:
SIMILAR TO:
WEIGHT: 273.51 kg
WR²: kg-m²
THIRD ANGLE PROJECTION
MATERIAL:
HEAT TREAT:
DESCRIPTION: INSTALLATION MGX-5114RV
DATE: 11/21/2017
SCALE: 1:4
DRAWN BY: LT
CHECKED BY: DV
APPROVED BY: DV
DWG SIZE: A1
SHEET: 1 OF 1
REV: -

METRIC

UNLESS OTHERWISE SPECIFIED
MACHINED DIMENSIONS
X ±0.75
X.X ±0.25
X.XX ±0.13
ALL ANGULAR TOLERANCES ±1°
GEOMETRIC TOLERANCING
PER ASME Y14.5M 1994

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PX1034425

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