1 INPUT GROUP MOUNTING FACE
2 PTO GROUP MOUNTING FACE
3 PUMP MOUNTING FACE

NOTES :

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.

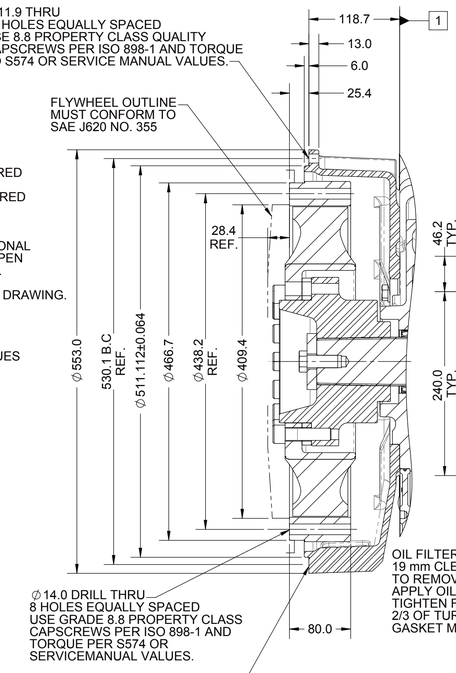
B. MANUAL DIRECTIONAL CONTROL VALVE OPERATION.
   1. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION, PUSH TO ENGAGE PRIMARY CLUTCH.
   2. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION, PULL TO ENGAGE SECONDARY CLUTCH.

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.

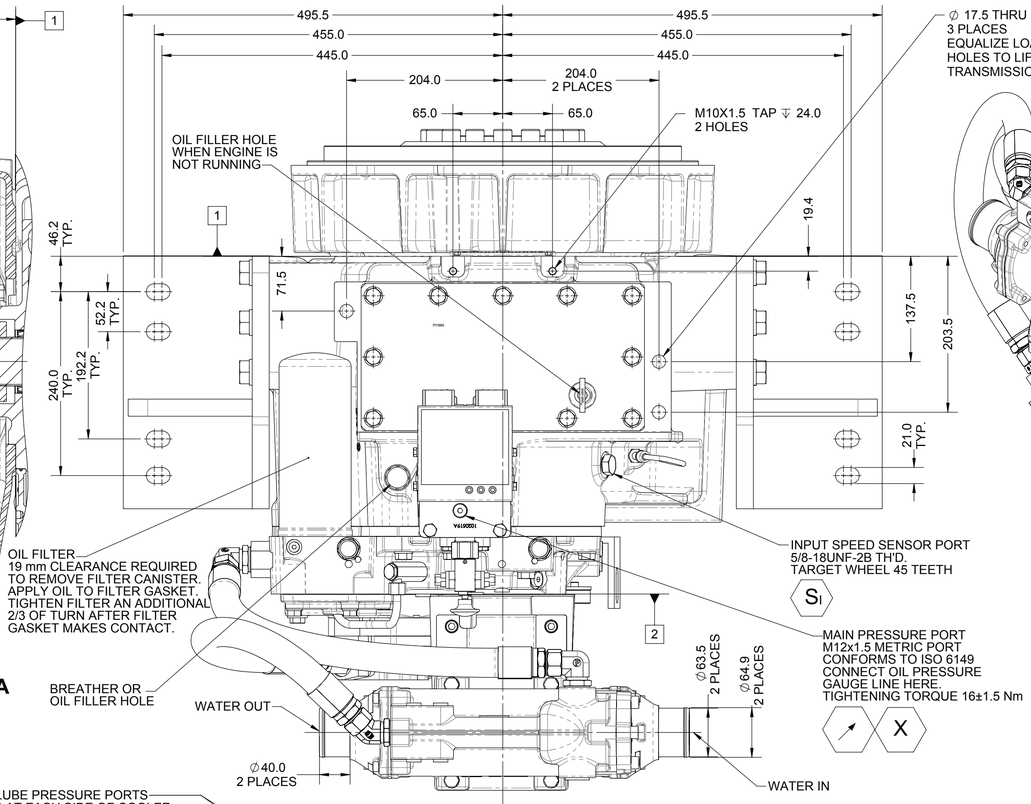
D. REFERENCE S930 FOR TWIN DISC REQUIREMENTS FOR PRESSURE AND ALARM LEVELS.

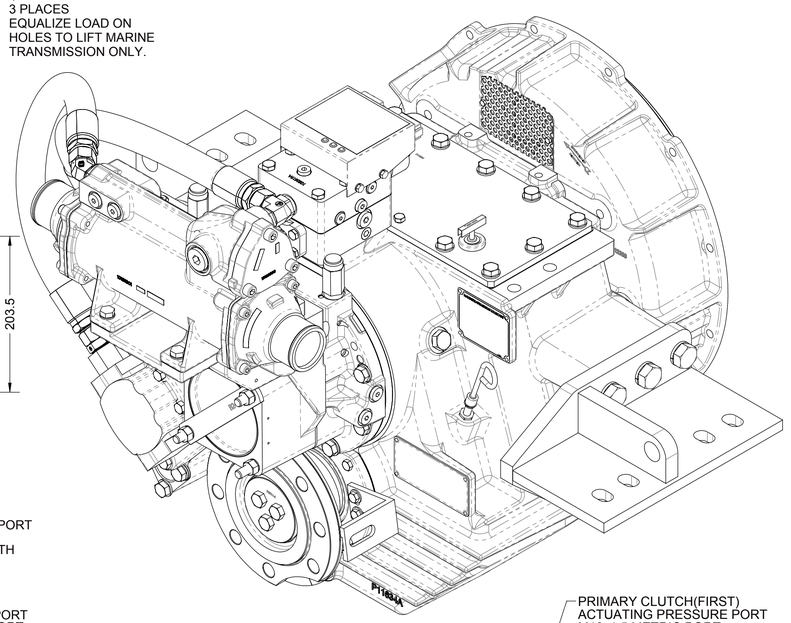
E. UNLESS OTHERWISE SPECIFIED, FASTENER TORQUE VALUES PER S574 STANDARD.

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



SECTION A-A





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

MAIN PRESSURE PORT M27x2.0 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 75 ± 7 Nm
X

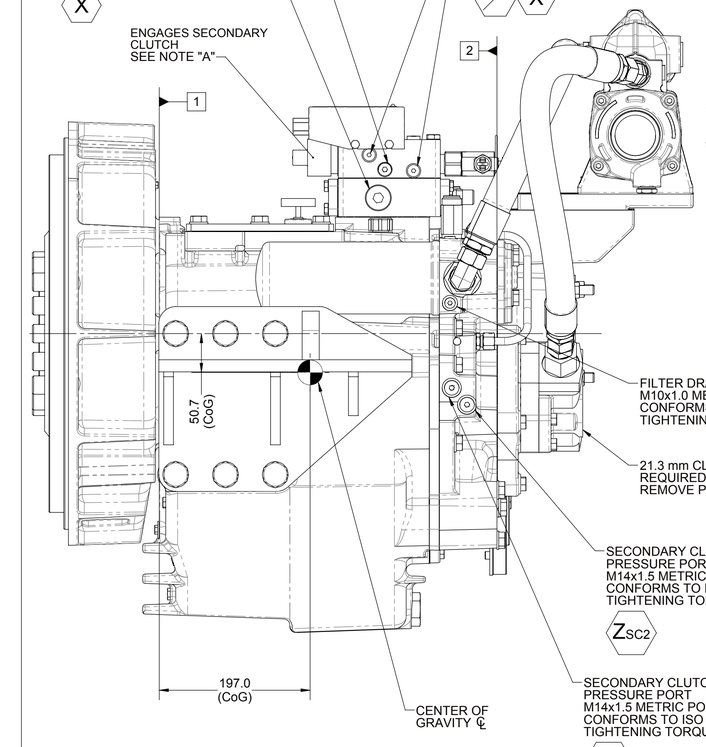
MAIN PRESSURE PORT 1/2-20 UNF INCH THREAD PORT (A) CONFORMS TO J1926 CONNECT OIL PRESSURE GAUGE LINE HERE. TIGHTENING TORQUE 20 ± 3Nm BOTH SIDES
X

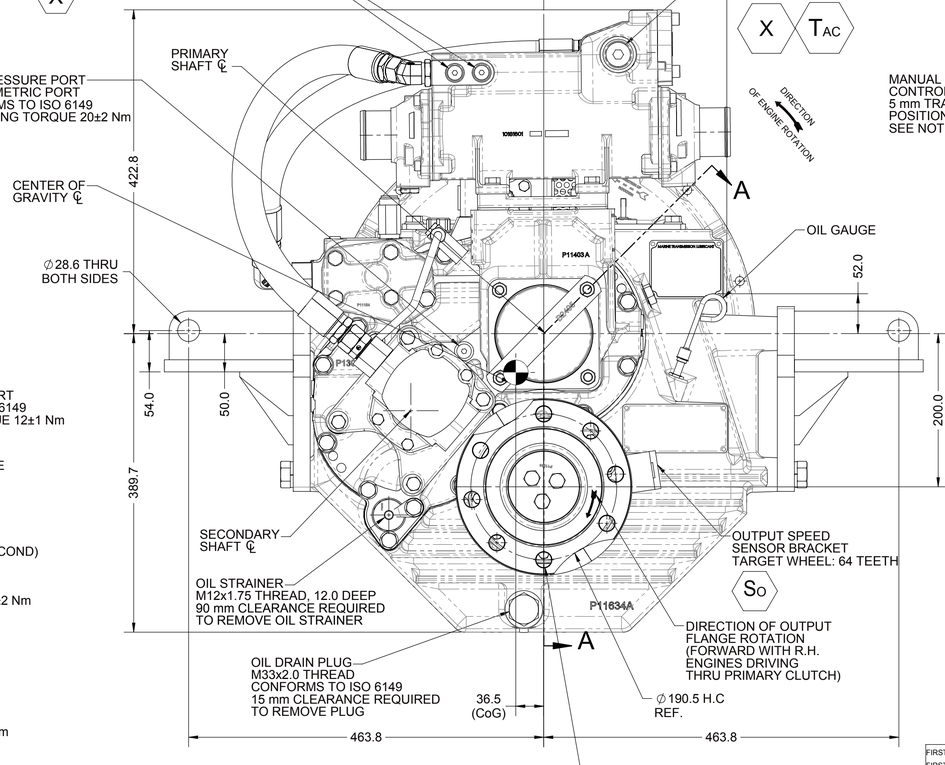
LUBE PRESSURE PORTS 2 AT EACH SIDE OF COOLER M14x1.5 METRIC PORT CONFORMS TO IS 6149 TIGHTENING TORQUE 20 ± 2 Nm
X

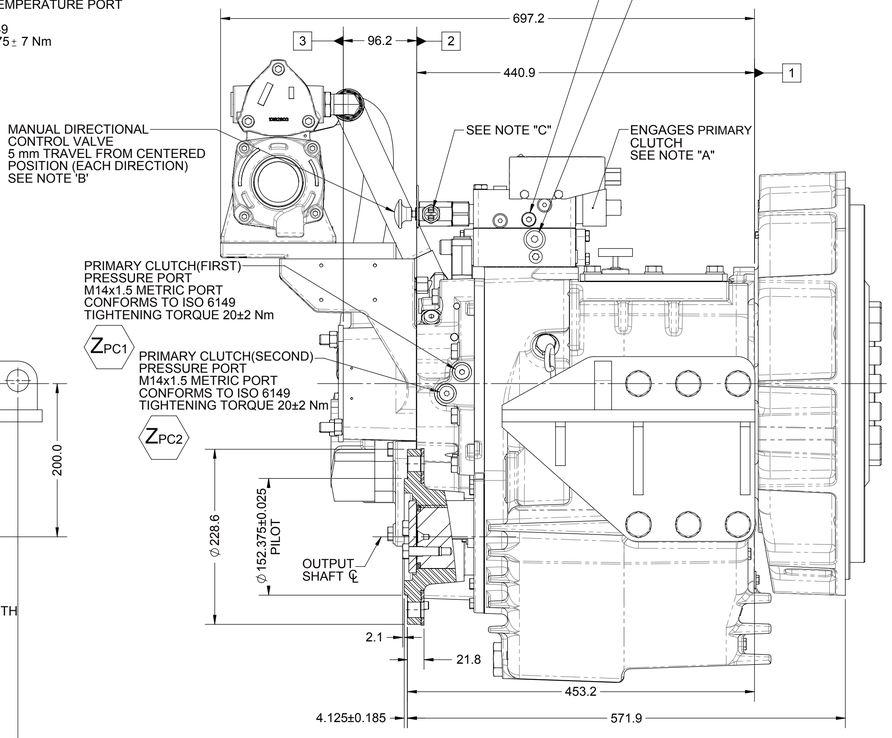
LUBE PRESSURE OR TEMPERATURE PORT M27x2.0 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 75 ± 7 Nm
X TAC

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

MAIN PRESSURE PORT M16x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 24 ± 2 Nm
X







EQUIPMENT SHOWN:

- MGX-5136SC PER 1027445 ASSEMBLY
- SAE # 1/SAE 355 VL3011S
- GP VALVE WITH EC050 CONTROL MODULE
- MOUNTED PM13008A HEAT EXCHANGER
- 1016428BF "MAN" TYPE MOUNTING BRACKET

REV	CHANGE NO.	DATE
A	ECNWF-75266	07/02/2018

FIRST USE ASSEMBLY:
FIRST USE MODEL:
SIMILAR TO:
WEIGHT: 371 kg
WR² kg-m²
THIRD ANGLE PROJECTION

METRIC

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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

MATERIAL:
HEAT TREAT:
DESCRIPTION: INSTALLATION MGX-5136SC

DATE: 06/15/2018
SCALE: 1:4
DRAWN BY: LT
CHECKED BY: DV
APPROVED BY: DV

TWIN DISC
RACINE, WI 53403 - USA
1027608K

DWG SIZE: A1
SHEET: 1 OF 1
REV: A

1025420W Rev. A