1 INPUT GROUP MOUNTING FACE
2 PTO GROUP MOUNTING FACE
3 LEFT BRACKET MOUNTING FACE
4 RIGHT BRACKET 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.

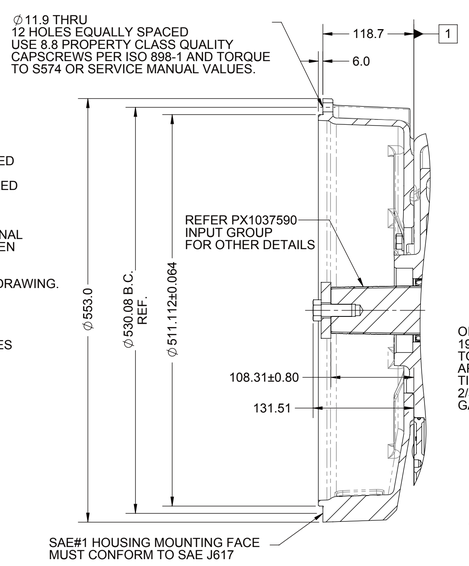
B. MANUAL DIRECTIONAL CONTROL VALVE OPERATION.
   1. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION, PUSH TO ENGAGE PRIMARY CLUTCH.
   2. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION, PULL TO ENGAGE SECONDARY CLUTCH.

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.

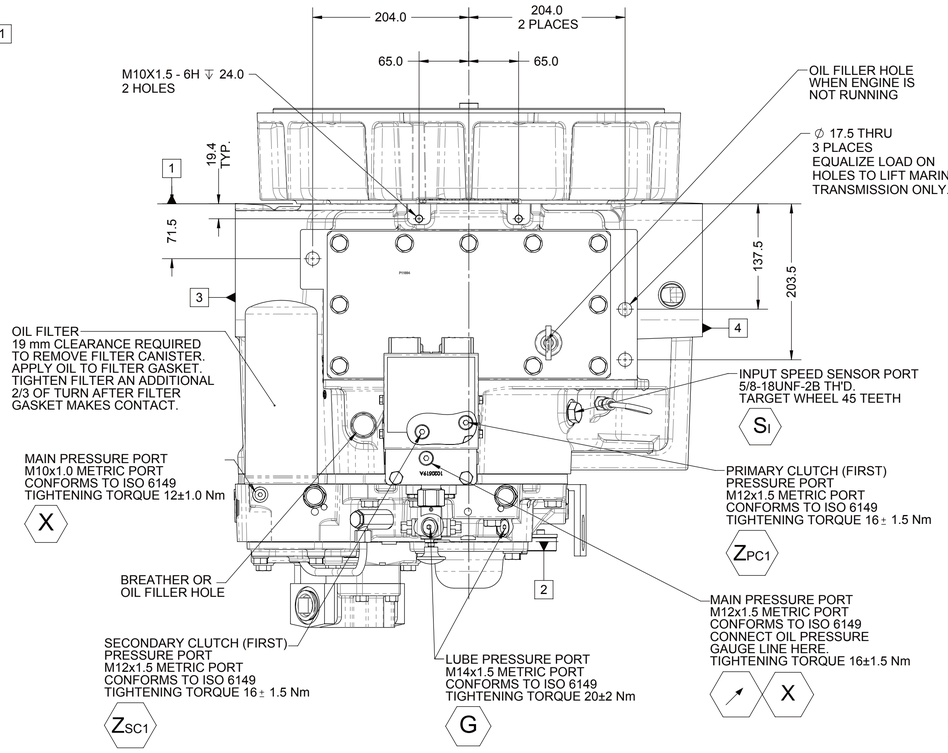
D. REFERENCE S930 FOR TWIN DISC REQUIREMENTS FOR PRESSURE AND ALARM LEVELS.

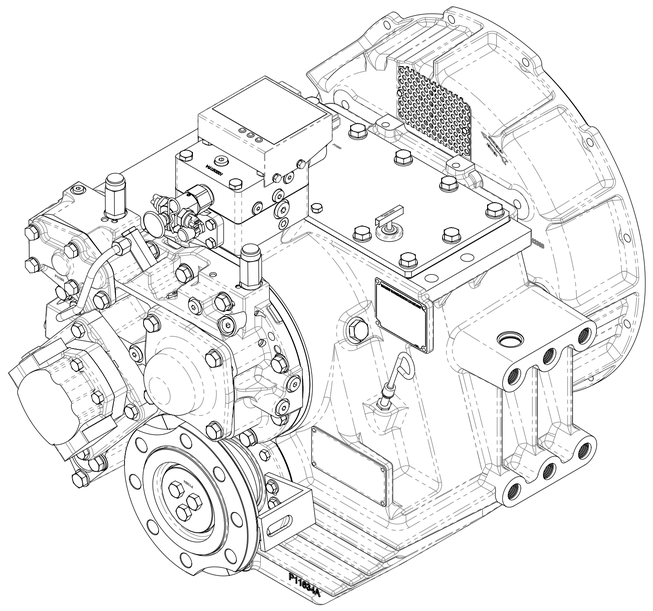
E. UNLESS OTHERWISE SPECIFIED, FASTENER TORQUE VALUES PER S574 STANDARD.

F. ALL POINTS AVAILABLE FOR TESTING ARE CODED ⬡



SECTION A-A



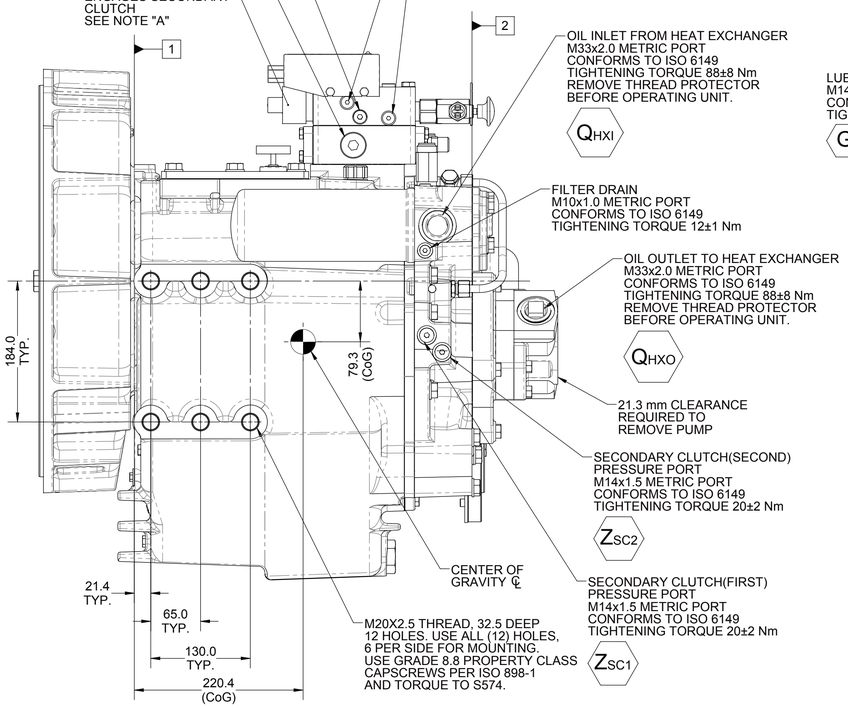


SECONDARY CLUTCH (FIRST)
ACTUATING PRESSURE PORT
M12x1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 16±1.5 Nm
ZSC1

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

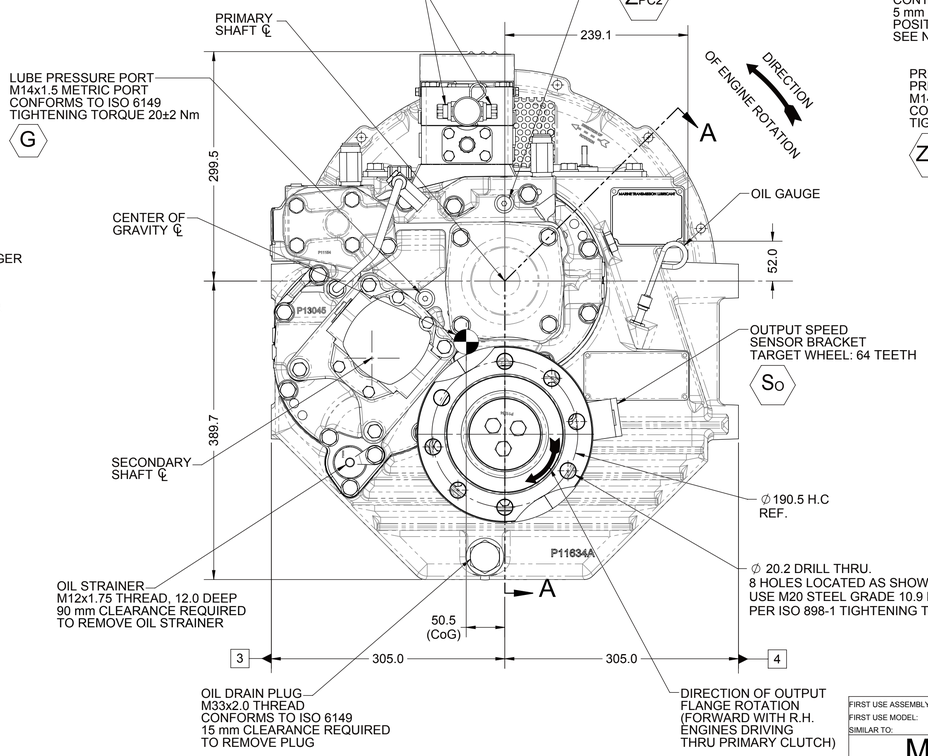
MAIN PRESSURE PORT
1/2-20 UNF INCH THREAD PORT
CONFORMS TO J1926
CONNECT OIL PRESSURE GAUGE LINE HERE.
TIGHTENING TORQUE 20 ± 3Nm
BOTH SIDES
X

ENGAGES SECONDARY CLUTCH
SEE NOTE "A"



PRIMARY CLUTCH(SECOND)
PRESSURE PORT
M14x1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 20±2 Nm
ZPC2

SEE NOTE "C"

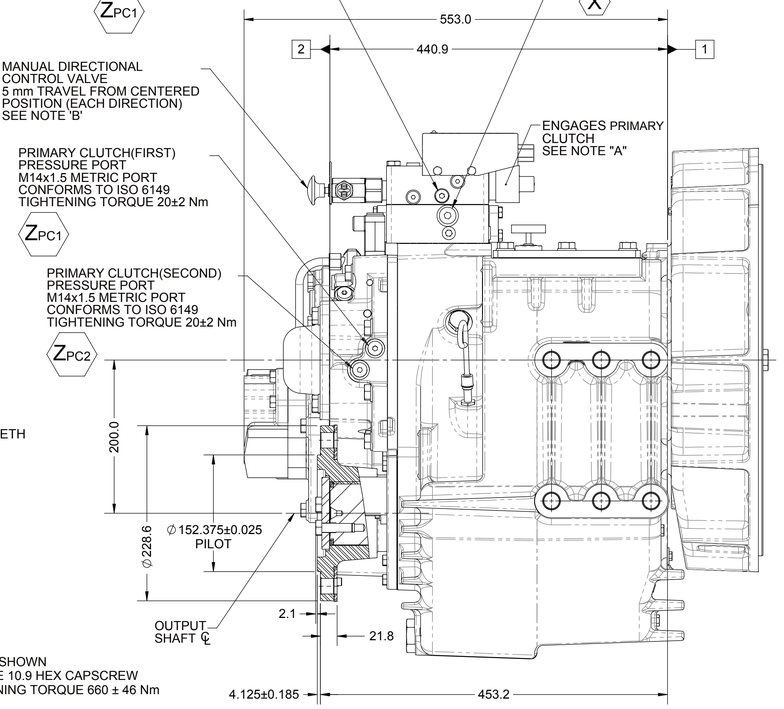


PRIMARY CLUTCH(FIRST)
ACTUATING PRESSURE PORT
M12x1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 16±1.5 Nm
ZPC1

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

MANUAL DIRECTIONAL CONTROL VALVE
5 mm TRAVEL FROM CENTERED POSITION (EACH DIRECTION)
SEE NOTE 'B'

ENGAGES PRIMARY CLUTCH
SEE NOTE "A"



EQUIPMENT SHOWN:
- MGX-5136SC PER 1027445 ASSEMBLY
- SAE # 1 ADAPTER
- GP VALVE WITH EC050 CONTROL MODULE

REV	CHANGE NO.	DATE
-	NDWF-010785	08/30/2019

FIRST USE ASSEMBLY:	WEIGHT: 264 kg	MATERIAL:	DATE: 07/08/2019
FIRST USE MODEL:	WR²: kg-m²	THIRD ANGLE PROJECTION	SCALE: 1:4
SIMILAR TO:		HEAT TREAT:	DRAWN BY: LT
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	DESCRIPTION: INSTALLATION MGX-5136SC	CHECKED BY: DV
			APPROVED BY: DV

TWIN DISC, RACINE, WI 53403 - USA

DWG: 1027608L
SIZE: A1 SHEET: 1 OF 1 REV: -

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1027420W Rev. A