1 INPUT GROUP REFERENCE PLANE

2 PTO GROUP REFERENCE FACE

5 PTO PUMP MOUNTING FACE

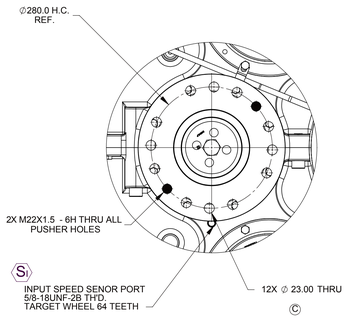
NOTES:
A. PROPORTIONAL CONTROL VALVE OPERATION
1. WARNING DO NOT CONNECT VALVE COIL DIRECTLY TO BATTERY/POWER SUPPLY VOLTAGE.
2. OPERATION TO BE PERFORMED WITH ONLY TWIN DISC CONTROL SYSTEMS OR MODULES.

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.

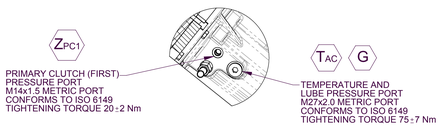
C. MANUAL DIRECTIONAL CONTROL VALVE MODE SWITCH
1. SWITCH IS NORMALLY CLOSED WHEN MANUAL DIRECTIONAL CONTROL VALVE IS IN THE CENTERED POSITION AND OPEN WHEN LEVER IS ACTUATED FROM CENTERED POSITION.
2. CURRENT = 20 AMP MAX.
3. FOR WIRING SCHEMATIC, REFER TO CONTROL MODULE DRAWING.

(B) APPLICABLE MODELS:
- MGX-61500SC-HL PER ASSEMBLY 1023610
- MGX-62000SC-HL PER ASSEMBLY 1026779

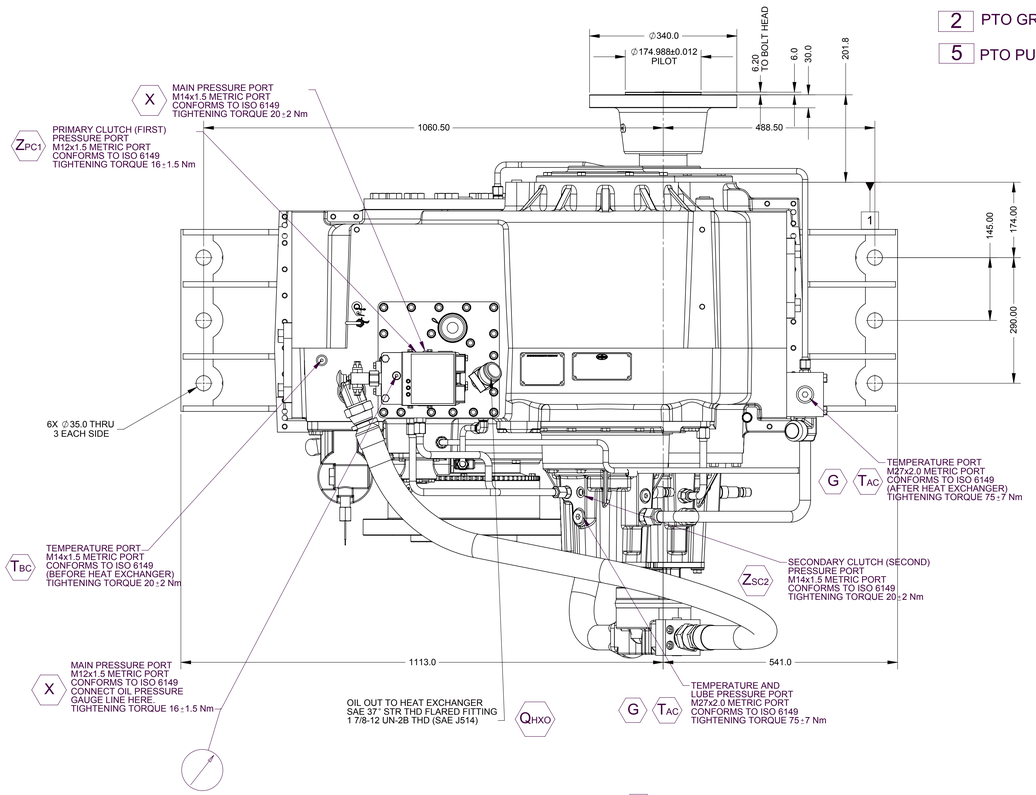
EQUIPMENT SHOWN:
- FREESTANDING HUB 1023610D
- GP VALVE WITH WC050 MODULE
- TRAILING PUMP
- 1016428AZ MOUNTING BRACKETS
- 10171771 SAE J744 101-2, 22-4 PTO

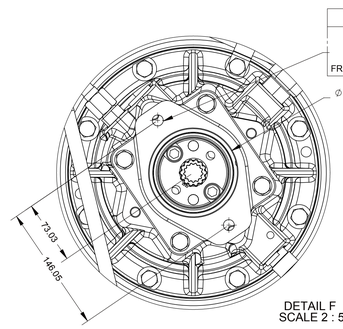


SECTION H-H



SECTION G-G

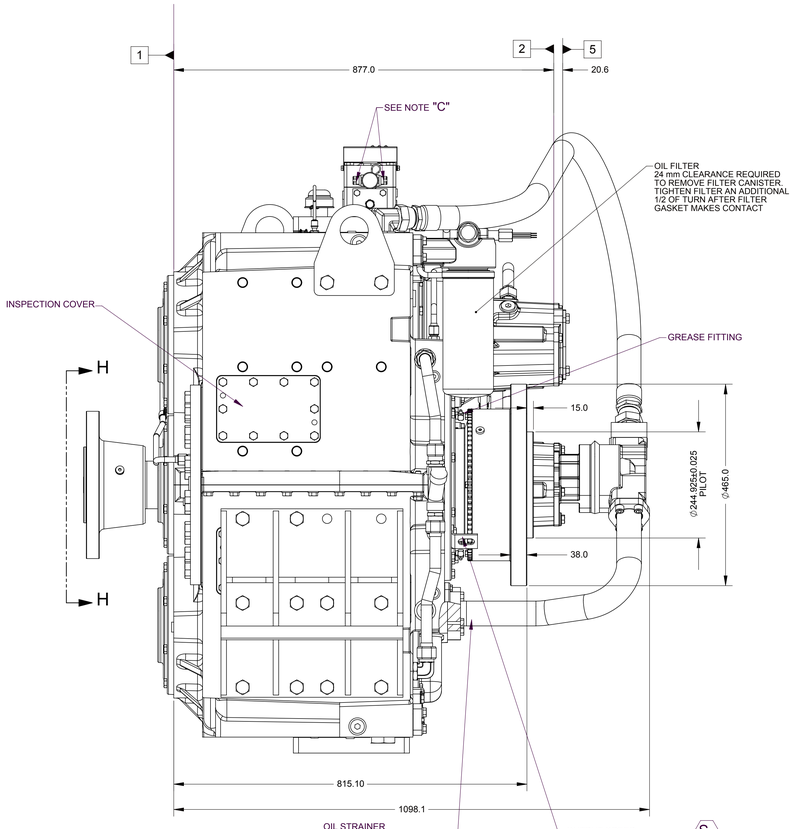


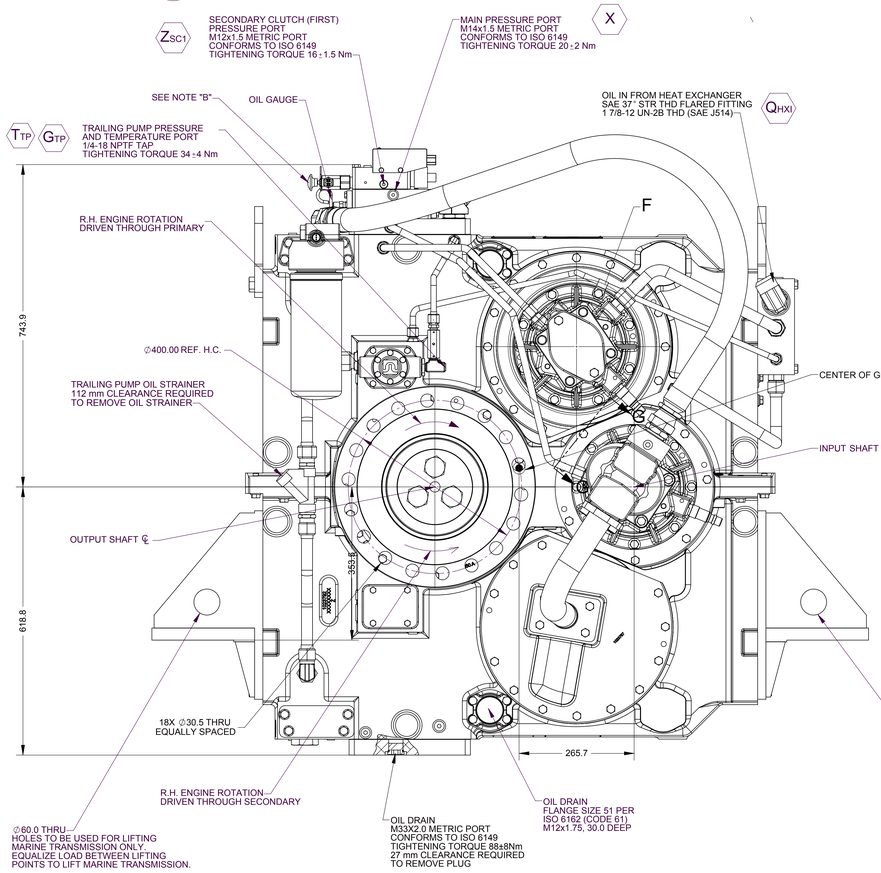


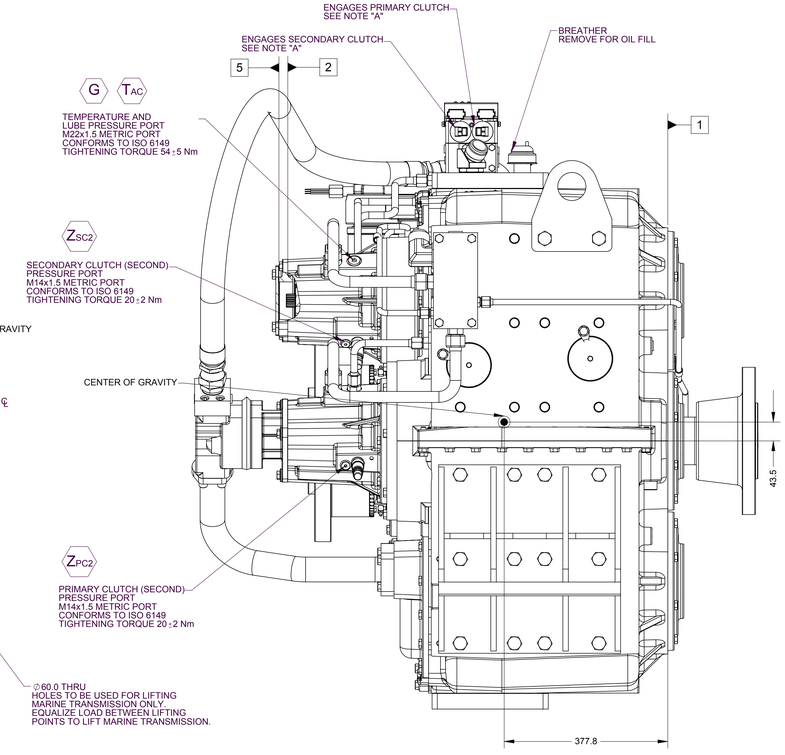
DETAIL F
SCALE 2 : 5

INTERNAL SPLINE DATA	(REF): TWIN DISC ENGR. STD. S435	
ROOT: FLAT	PRESSURE ANGLE	30°
NO. OF TEETH 13	PITCH	16/32
PITCH DIA (REF) .8125	FORM DIA. MIN.	.866
MAJOR DIAMETER	MAX.	.886
CIRCULAR SPACE WIDTH	MIN. EFF.	.0982
	MAX. ACT.	.1010
MEASURMENT BETWEEN .1080 DIA. PINS WITH NONE TO FLAT	MAX.	.6487
	MIN.	.6536

SPLINE DATA IN INCHES







REV	CHANGE NO.	DATE
C	ECNWF-23526	07/01/2013

FIRST USE ASSEMBLY: 1023610	WEIGHT: 2156.24 kg	MATERIAL:	DATE: 02/17/2010
FIRST USE MODEL: MGX-61500SC-HL	WK²: kg-m²	HEAT TREAT:	SCALE: 1:5
SIMILAR TO: METRIC	UNLESS OTHERWISE SPECIFIED MACHINED DIMENSIONS X ±0.76, X.XX ±0.25, X.XXX ±0.13, ALL ANGULAR TOLERANCES ±1° GEOMETRIC TOLERANCING PER ASME Y14.5M 1994	DESCRIPTION: INSTALLATION (B) MGX-61500SC-HL, MGX-62000SC-HL	DRAWN BY: MDL; CHECKED BY: JCS; APPROVED BY: ALC

THIRD ANGLE PROJECTION

NOTICE: THIS PRINT CONTAINS PROPRIETARY INFORMATION AND IS NOT TO BE USED IN ANY MANNER ADVERSE TO THE INTERESTS OF TWIN DISC, INCORPORATED.
THIS NOTICE MAY NOT BE REMOVED. WHEN DATA FOR CIVILIAN USE IS GRANTED TO THE U.S. GOVERNMENT OR OTHERS BY CONTRACT, ADDITIONAL OR ALTERNATE RESTRICTIVE LEGENDS MAY BE PLACED ON THE DATA TO DEFINE THE GOVERNMENT'S USE AND DISCLOSURE OBLIGATIONS.

TWIN DISC
RACINE, WI 53403 - USA

DWG NO. 1025259B
SIZE: A0
SHEET: 1 OF 1
REV: C