

- 1** ENGINE MOUNTING FACE
2 PTO ADAPTER MOUNTING FACE
3 LEFT MOUNTING BRACKET FACE
4 RIGHT MOUNTING BRACKET FACE

Legend:
S₁ INPUT SPEED SENSOR PORT
S₀ OUTPUT SPEED SENSOR PORT
T_{BC} TEMPERATURE PORT BEFORE HEAT EXCHANGER
T_{AC} TEMPERATURE PORT AFTER HEAT EXCHANGER
X MAIN PRESSURE PORT
Z_{SC} SECONDARY CLUTCH PRESSURE PORT
G LUBE PRESSURE PORT
H₁₀ OIL IN FROM HEAT EXCHANGER
H_{XO} OIL OUT TO HEAT EXCHANGER

Table 1: Gear Ratios

Ratio	Teeth
6.00:1	18
5.68:1	19
5.05:1	21
4.52:1	23
4.04:1	25
3.50:1	28
3.06:1	31

Table 2: Mounting Dimensions

Mounting Face	Dimension
1	205.77
1	111.13
1	123.83
1	107.95
1	215.90
1	675.5

Table 3: Port Specifications

Port	Specification
INPUT SPEED SENSOR PORT	5/8-18UNF-2B THD. TARGET WHEEL - 54 TEETH
OUTPUT SPEED SENSOR PORT	5/8-18UNF-2B THD. TARGET WHEEL - 54 TEETH
TEMPERATURE PORT BEFORE HEAT EXCHANGER	M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20
TEMPERATURE PORT AFTER HEAT EXCHANGER	M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20
MAIN PRESSURE PORT	M12x1.5 METRIC PORT CONFORMS TO ISO 6149 CONNECT OIL PRESSURE GAUGE LINE HERE. TIGHTENING TORQUE 16
SECONDARY CLUTCH PRESSURE PORT	M12x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 16
LUBE PRESSURE PORT	M18x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 34
OIL IN FROM HEAT EXCHANGER	M33x2.0 THD. METRIC PORT CONFORMS TO ISO 6149 REMOVE THREAD PROTECTOR BEFORE OPERATING UNIT.
OIL OUT TO HEAT EXCHANGER	M33x2.0 THD. METRIC PORT CONFORMS TO ISO 6149 REMOVE THREAD PROTECTOR BEFORE OPERATING UNIT.

Table 4: Component Dimensions

Component	Dimension
INPUT SHAFT	180.21
OUTPUT SHAFT	180.21
CLUTCH SHAFT	228.60 B.C.
CLUTCH SHAFT	228.60 B.C.
CLUTCH SHAFT	228.60 B.C.
CLUTCH SHAFT	228.60 B.C.

Table 5: Mounting Dimensions

Mounting Face	Dimension
1	534.24
1	14.2
1	6.35
1	311.11
1	552.5
1	312.72
1	521.54

Table 6: Port Specifications

Port	Specification
INPUT SPEED SENSOR PORT	5/8-18UNF-2B THD. TARGET WHEEL - 54 TEETH
OUTPUT SPEED SENSOR PORT	5/8-18UNF-2B THD. TARGET WHEEL - 54 TEETH
TEMPERATURE PORT BEFORE HEAT EXCHANGER	M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20
TEMPERATURE PORT AFTER HEAT EXCHANGER	M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20
MAIN PRESSURE PORT	M12x1.5 METRIC PORT CONFORMS TO ISO 6149 CONNECT OIL PRESSURE GAUGE LINE HERE. TIGHTENING TORQUE 16
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LUBE PRESSURE PORT	M18x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 34
OIL IN FROM HEAT EXCHANGER	M33x2.0 THD. METRIC PORT CONFORMS TO ISO 6149 REMOVE THREAD PROTECTOR BEFORE OPERATING UNIT.
OIL OUT TO HEAT EXCHANGER	M33x2.0 THD. METRIC PORT CONFORMS TO ISO 6149 REMOVE THREAD PROTECTOR BEFORE OPERATING UNIT.

Table 7: Component Dimensions

Component	Dimension
INPUT SHAFT	180.21
OUTPUT SHAFT	180.21
CLUTCH SHAFT	228.60 B.C.
CLUTCH SHAFT	228.60 B.C.
CLUTCH SHAFT	228.60 B.C.
CLUTCH SHAFT	228.60 B.C.

Table 8: Mounting Dimensions

Mounting Face	Dimension
1	534.24
1	14.2
1	6.35
1	311.11
1	552.5
1	312.72
1	521.54

Table 9: Port Specifications

Port	Specification
INPUT SPEED SENSOR PORT	5/8-18UNF-2B THD. TARGET WHEEL - 54 TEETH
OUTPUT SPEED SENSOR PORT	5/8-18UNF-2B THD. TARGET WHEEL - 54 TEETH
TEMPERATURE PORT BEFORE HEAT EXCHANGER	M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20
TEMPERATURE PORT AFTER HEAT EXCHANGER	M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20
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LUBE PRESSURE PORT	M18x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 34
OIL IN FROM HEAT EXCHANGER	M33x2.0 THD. METRIC PORT CONFORMS TO ISO 6149 REMOVE THREAD PROTECTOR BEFORE OPERATING UNIT.
OIL OUT TO HEAT EXCHANGER	M33x2.0 THD. METRIC PORT CONFORMS TO ISO 6149 REMOVE THREAD PROTECTOR BEFORE OPERATING UNIT.

Table 10: Component Dimensions

Component	Dimension
INPUT SHAFT	180.21
OUTPUT SHAFT	180.21
CLUTCH SHAFT	228.60 B.C.
CLUTCH SHAFT	228.60 B.C.
CLUTCH SHAFT	228.60 B.C.
CLUTCH SHAFT	228.60 B.C.

Table 11: Mounting Dimensions

Mounting Face	Dimension
1	534.24
1	14.2
1	6.35
1	311.11
1	552.5
1	312.72
1	521.54

Table 12: Port Specifications

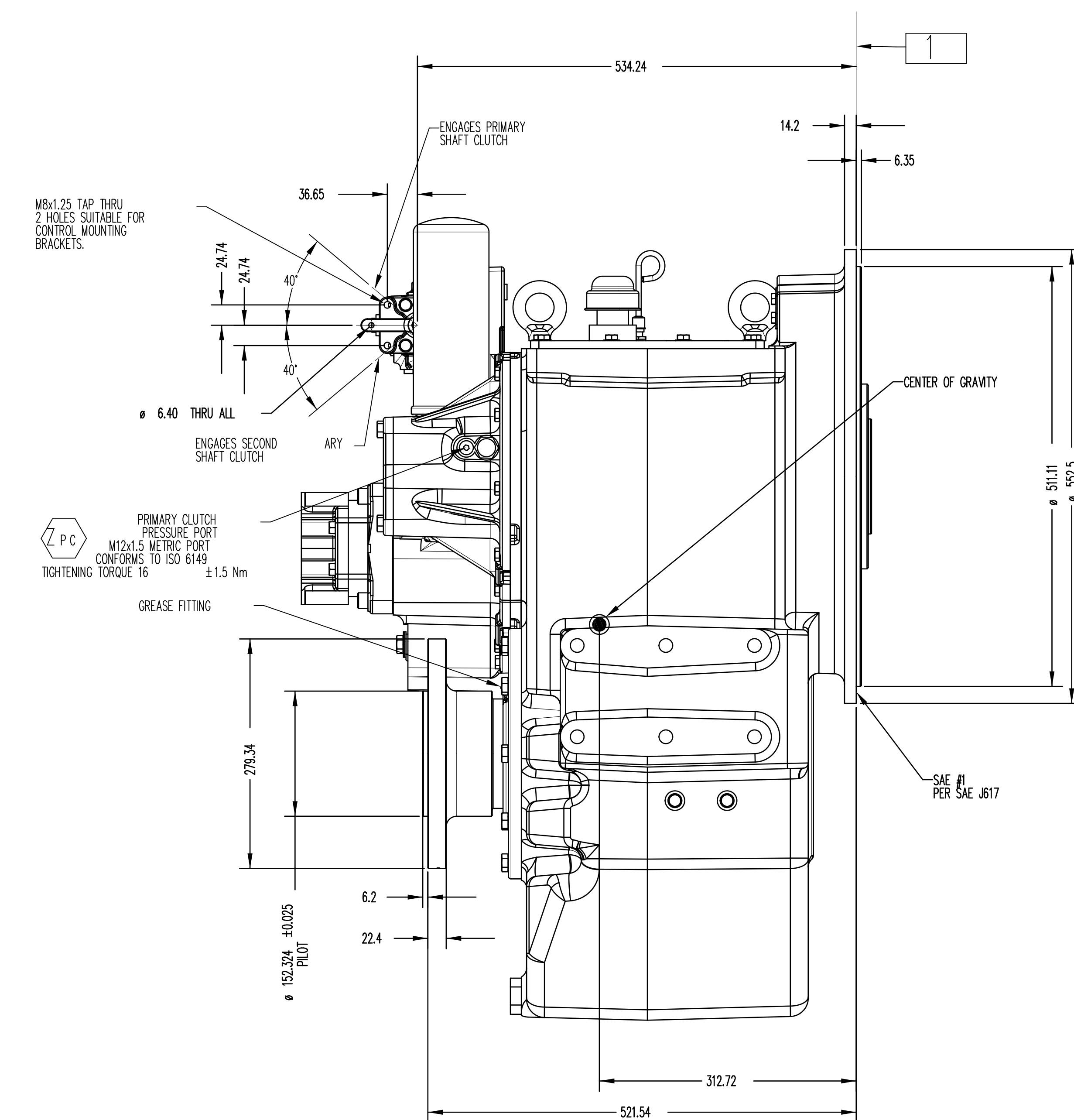
Port	Specification
INPUT SPEED SENSOR PORT	5/8-18UNF-2B THD. TARGET WHEEL - 54 TEETH
OUTPUT SPEED SENSOR PORT	5/8-18UNF-2B THD. TARGET WHEEL - 54 TEETH
TEMPERATURE PORT BEFORE HEAT EXCHANGER	M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20
TEMPERATURE PORT AFTER HEAT EXCHANGER	M14x1.5 METRIC PORT CONFORMS TO ISO 6149 TIGHTENING TORQUE 20
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OIL OUT TO HEAT EXCHANGER	M33x2.0 THD. METRIC PORT CONFORMS TO ISO 6149 REMOVE THREAD PROTECTOR BEFORE OPERATING UNIT.

Table 13: Component Dimensions

Component	Dimension
INPUT SHAFT	180.21
OUTPUT SHAFT	180.21
CLUTCH SHAFT	228.60 B.C.
CLUTCH SHAFT	228.60 B.C.
CLUTCH SHAFT	228.60 B.C.
CLUTCH SHAFT	228.60 B.C.

Table 14: Mounting Dimensions

Mounting Face	Dimension
1	534.24
1	14.2



POST USE ASSEMBLY: POST USE MODEL: SERIAL NO.:		DATE: 06/09/2010 DRAWN BY: JLM CHECKED BY: JLM APPROVED BY: ALC		B. CONW-23336 REV. SHEET NO. 08/27/2013	
METRIC ALL DIMENSIONS ARE IN MILLIMETERS ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED		TWIN DISC TACINE, NJ 07450 - USA 906.9198		SHEET NO. A0 OF 1 REV. B	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE TO CENTER ALL DIMENSIONS ARE IN MILLIMETERS PER ASME Y14.5M		MATERIAL: 304 STAINLESS STEEL FINISH: POLISHED		DESCRIPTION: INSTALLATION MG-516	