



ENGINE SERVICE TEST PORTS/INSTALLATION CONNECTIONS

1 AUXILIARY HEATER RETURN: 3/4 NPT	9 ENGINE OIL DRAIN FRONT: M18 X 1.5	17 FUEL INLET CONNECTION: 3/4-16 UN, 37° FLARE
2 AUXILIARY HEATER SUPPLY: 3/4 NPT w/ ORIFICE	10 ENGINE OIL DRAIN REAR: N/A	18 GEAR OIL COOLER DRAIN: 4X 1/8 NPT
3 BATTERY CONNECTION (STARTER) (+): M10 X 1.5	11 ENGINE OIL FILL: Ø34.5 [1.3]	19 GEAR OIL COOLER INLET AND OUTLET: 2X 1/2 NPT
4 BATTERY CONNECTION (STARTER) (-): M10 X 1.5	12 EXHAUST OUTLET CONNECTION (ELBOW): N/A	20 OIL HEATER CONNECTION: M22 X 1.5
5 BATTERY CONNECTION (ECM) (+): 1/4-20 UN	13 EXHAUST OUTLET CONNECTION (TURBO): Ø78.2 [3.1] I.D.	21 SEA WATER INLET: Ø50.8 [2.0] O.D.
6 BATTERY CONNECTION (ECM) (-): 1/4-20 UN	14 EXHAUST TEMPERATURE/BACK PRESSURE: N/A	22 SEA WATER OUTLET: Ø38.1 [1.5] O.D.
7 COOLANT FILL: Ø30 [1.18]	15 FRONT ENGINE SUPPORT: 2X Ø21 [.83] X 31 [1.2] SLOT	23 SHAFT LOG SEA WATER SUPPLY: N/A
8 COOLANT RECOVERY/OVERFLOW CONNECTION: Ø8.39 [.33]	16 FUEL RETURN TO TANK CONNECTION: 3/8-18 NPT	24 ZINC ANODE: 3X 1/2 NPT

PRODUCT GRAPHICS FILE
NO ORIGINAL DRAWING EXISTS FOR THIS ITEM. THE ENGINEERING GRAPHICS DATA FOR THIS ITEM RESIDES IN THE PRODUCT GRAPHICS FILE AND IS CONTROLLED BY THE AGENCY DESIGNATED AS HAVING ITEM CONTROL.

LAST SECTION LETTER USED:		REF. DRAWING STANDARDS:	CUMMINS INC.	
:	:	ANSI Y14.5M ISO 81101	ITEM NAME	QSB 5.9 480HP W/ NXT DRIVE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN: MILLIMETERS () ARE IN: INCHES		IDENTIFIER	INSTALLATION DIAGRAM	
DWN	D. SOMIN	SIZE CODE (IDENT. NO.)	ITEM NUMBER	4953894
CHD	UNCHECKED	SCALE: N/A	ITEM CONTROL: MCS	SHEET 1 OF 1

DO NOT SCALE THIS DRAWING
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