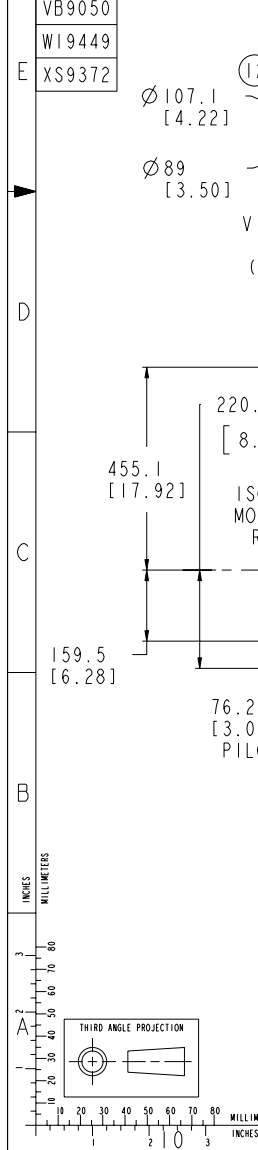


ITEM NUMBER
4953999
AC9312
BR9415
EE9174
EM9388
FF90375
FH9971
FW9958
HX9146
LA9233
LF9255
LG90136
OC9103
OP9464
PH9386
RG9313
SA9086
ST9383
SW9080
TB2005
VB9050
WI9449
XS9372

REVISIONS		OWN	APP'D
ZONE	REV	DESCRIPTION	
00	RELEASED		



ENGINE SERVICE TEST PORTS/INSTALLATION CONNECTIONS			
1	AUXILIARY HEATER RETURN:	5/8 BARBED	
2	AUXILIARY HEATER SUPPLY:	5/8 BARBED	
3	BATTERY CONNECTION (STARTER) (+):	M10 X 1.5	
4	BATTERY CONNECTION (STARTER) (-):	M10 X 1.5	
5	BATTERY CONNECTION (ECM) (+):	4 PIN CONNECTOR	
6	BATTERY CONNECTION (ECM) (-):	4 PIN CONNECTOR	
7	COOLANT FILL:	Ø31.2 [1.23]	
8	COOLANT OVERFLOW TUBE:	7.9 I.D. [1.31]	
9	ENGINE OIL DRAIN:	M18 X 1.5	
10	ENGINE OIL FILL:	Ø32.1 [1.27]	
11	EXHAUST OUTLET CONNECTION (ELBOW):	Ø127 [5.00] O.D.	
12	EXHAUST OUTLET CONNECTION (TURBO):	4X M8 X 1.25 ▽ 17.8	
13	EXHAUST TEMP. /BACK PRESSURE TEST PORT:	1/4-18 NPT	
14	EXHAUST TEMP. /SW FLOW SENSOR	N/A	
15	FUEL INLET CONNECTION:	7/8-14 (45°-#10)	
16	FUEL INLET TEST PORT:	M10 X 1.0	
17	FUEL RETURN TO TANK CONNECTION:	3/4-16 (45°-#8)	
18	FUEL RETURN TEST PORT:	M10 X 1.0	
19	GEAR OIL COOLER DRAIN:	3/8 NPT	
20	GEAR OIL COOLER INLET:	M22 X 1.5	
21	GEAR OIL COOLER OUTLET:	M22 X 1.5	
22	OIL HEATER CONNECTION:	M22 X 1.5	
23	SEA WATER INLET:	Ø50.8 [2.00] O.D.	
24	SEA WATER INLET TEST PORT:	1/4-18 NPT	
25	SEA WATER OUTLET:	Ø50.8 [2.00] O.D.	
26	SEA WATER OUTLET TEST PORT:	1/4-18 NPT	
27	SHAFT LOG SEA WATER SUPPLY:	1/4 NPT	
28	ZINC ANODE:	4X 1/2-14 NPT	

PRELIMINARY

NOTE: THIS DRAWING HAS NOT COMPLETED ALL REQUIRED PRODUCT RELEASE CHECK PROCESSES.

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: ANSI Y14.5M ISO 8101	ITEM NAME	CUMMINS INC.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN: MILLIMETERS () ARE IN: INCHES		IDENTIFIER	QSB 6.7L W/ ZF 85A
DWN	TW/TC/ANG	SIZE CODE (IDENT. NO.)	ITEM NUMBER
CHD	UNCHECKED	J	4953999
APPD		SCALE: N/A	ITEM CONTROL: MCS
APPD			SHEET 1 OF 1

DO NOT SCALE THIS DRAWING

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