

SAE J2723 AUG2007

SAE Power Certification
Form J2723 B

Manufacturer Name	GM Powertrain
Address:	30003 Van Dyke Avenue
City:	Warren
State:	Michigan
Country:	United States
Postal Code	48090-9060
Engine:	3.5L LZE /LZ4 Bin 4 and 5 Federal Emissions Package
Type of Certification:	Family Of Engines
Model Year & Vehicle	2009 Pontiac G6;
Application(s).	2009 Chevrolet Malibu
Test Standard:	J1349:Aug2004
Test Location:	WE04South
Engine Serial Number:	P9Z4B311AJ
Test/Run Number:	NST__009P9Z4B311AJ
Test Date:	03/04/08

RESULTS:

The engine described herein was tested on 03/04/08 according to the requirements prescribed in J1349:Aug2004, Engine Power Test Code in the presence of a qualified SAE Witness, and was determined to produce the following results:

Parameter	Rated Speed	Rated Output	Measured Speed	Measured Output	% Difference
Power (hp)	5800	221	5800	219.5	0.7%
Torque (lb-ft)	4000	221	4000	220	0.5%

SAE Certified Witness

Date

[Signature]
11-Apr-2008

APPROVALS:

GM Powertrain declares that the engine tested for this report is representative of engines in series production. GM Powertrain further declares that the performance of engines in series production will characteristically fall within 2% of the rated torque and power values indicated on this report.

Name:

Title:

Date:

Mark E. Vander Eike
AEC
3/25/08



Documents

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Address:	30003 Van Dyke Avenue
City:	Warren
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Country:	United States
Postal Code	48090-9060
Engine:	3.5L LZE / LZ4
Type of Certification:	Family Of Engines
Model Year & Vehicle Application(s):	2009 Engine Test Data at Various Backpressures to Qualify Iso-Power/Iso-Torque Analytical Engine Model
Test Standard:	J1349:Aug2004
Test Location:	WE04South
Engine Serial Number:	P9Z4B311AJ
Test/Run Number:	NST_009P9Z4B311AJ NST_038P7Z4D110
Test Date:	03/04/08 & 02/12/2007

RESULTS:

The engine described herein was tested on 03/04/08 & 02/12/2007 according to the requirements prescribed in J1349:Aug2004, Engine Power Test Code in the presence of a qualified SAE Witness, and was determined to produce the following results:

Iso-Power / Iso-Torque Model Verified Using Following Witnessed Test Points:

Parameter	Exhaust Restriction @ Speed (Total Pressure)	Induction Restriction @ Speed (Total Pressure)	Measured Output	Measured Speed	Date Witnessed
Power	95 kPa @ 5800 rpm	2.70 @ 5800 rpm	202.7 hp	5800 rpm	03/04/2008
Torque	95 kPa @ 5800 rpm	2.70 @ 5800 rpm	211 ft-lbs	4000 rpm	03/04/2008
Power	90 kPa @ 5800 rpm	2.73 @ 5800 rpm	205.3 hp	5800 rpm	03/04/2008
Torque	90 kPa @ 5800 rpm	2.73 @ 5800 rpm	213 ft-lbs	4000 rpm	03/04/2008
Power	75 kPa @ 5800 rpm	2.80 @ 5800 rpm	211 hp	5800 rpm	03/04/2008
Torque	75 kPa @ 5800 rpm	2.80 @ 5800 rpm	215 ft-lbs	4000 rpm	03/04/2008
Power	65 kPa @ 5800 rpm	2.83 @ 5800 rpm	214 hp	5800 rpm	03/04/2008
Torque	65 kPa @ 5800 rpm	2.83 @ 5800 rpm	217 ft-lbs	4000 rpm	03/04/2008
Power	50 kPa @ 5800 rpm	3.12 @ 5800 rpm	219.8 hp	5800 rpm	02/12/2007
Torque	50 kPa @ 5800 rpm	3.12 @ 5800 rpm	219 ft-lbs	3200 rpm	02/12/2007

SAE Certified Witness

Date

[Signature]
11-Apr-2008

APPROVALS:

GM Powertrain declares that the engine tested for this report is representative of engines in series production. GM Powertrain further declares that the performance of engines in series production will characteristically fall within 2% of the rated torque and power values indicated on this report.

Name: *[Signature]*
Title: ACE
Date: 3/25/08

WOT ENGINE POWER PLOT (as tested)



3500 (cc) / 2-Valve Pushrod / 60° V-6

95 kPa Exhaust Backpressure @ 5800 rpm

