

SAE J2723 MAR 2005

**SAE Power Certification
Form J2723 A**

**ENGINE DESCRIPTION
(As Tested):**

Displacement:	4565 cc
Configuration/Number of Cylinders:	90° V8
Valve Train:	DOHC
Type:	Gasoline
Combustion Cycle:	Four Stroke
Pressure Charging:	Naturally Aspirated
Charge Air Cooling:	None
Bore:	93 mm
Stroke:	84 mm
Cylinder Numbering Convention	Front of crank to rear
Firing Order:	1-2-7-3-4-5-6-8
Compression Ratio:	10.0:1
Fuel System:	Sequential Fuel Injection
Fuel System Pressure	400 kPa (Nominal)
Ignition System:	Electronic Spark Ignited Coil on Plug
Knock Control:	Dual Bank Flat Response
Intake Manifold:	Composite
Exhaust Manifolds:	Dual Wall Laminated Stainless Steel
Cooling System:	Forced flow liquid cooling
Coolant Liquid:	Dexcool extended life coolant
Thermostat:	Inlet side
Cooling Fan	Electrical
Lubricating Oil:	SAE 5w30 GF4
Fuel:	Premium Recommended
Fuel Shut Off Speed:	6700 RPM

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SAE Power Certification
Form J2723 B

MANUFACTURER: General Motors Corporation

ENGINE: LD8 Northstar 4.6L V8

TYPE OF CERTIFICATION: Single Engine Certification

MODEL YEAR & VEHICLE APPLICATION: 2006 GMX 272 – Cadillac DTS;
2006 GMX 222 – Buick Lucerne

TEST STANDARD: J1349:Aug2004

TEST LOCATION: East 9s, Warren, MI

ENGINE SERIAL NUMBER: 10JMAL051670080

TEST/RUN NUMBER: 1105 32JAML051670080

RESULTS:

The engine described herein was tested on 8/18/2005 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)	6000	275	6000	275.0973	-0.04%
Torque (lb-ft)	4400	295	4400	294.7663	0.08%

Rumach 8/18/2005

SAE Certified Witness, Date

APPROVALS:

The manufacture declares that the engine tested for this report is representative of engines in series production. The manufacturer 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.

CMC Chief Eng 8/25/05

Name

Title

Date