

SAE J2723 AUG2007



**SAE Power Certification
Form J2723 B**

Manufacturer Name	General Motors Powertrain
Address:	895 Joslyn Rd
City:	Pontiac
State	MI
Country:	USA
Postal Code	48340
Engine:	High Feature V6 LFX
Type of Certification:	Single Engine Certification
Model Year & Vehicle	2014 Buick Lacrosse (GMX353) LFX
Application(s).	(Amendment to 2012 GMX353 LFX SAE power certification to reflect the addition of electric power steering)
Test Standard:	J1349: Sept2011, SAE
Test Location:	Pontiac dyno lab
Engine Serial Number:	-
Test/Run Number:	SAE_J1349
Test Date:	1/9/13

RESULTS:

The engine described herein was tested on 1/9/13 according to the requirements prescribed in J1349: Sept2011, SAE, 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)	6800	304	6800	-	-
Torque (lb-ft)	5300	264	5300	-	-

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.

Name:

Title:

Date:

J. Ammerlaan
AST. CHIEF ENGINEER
2-6-13



GM Powertrain

General Motors
GM Powertrain
Engine Engineering - Bldg C
Mail Code: 483-710-201
895 Joslyn Avenue
Pontiac, Michigan 48340
U.S.A.

January 9th, 2013

Gary Pollack
SAE
400 Commonwealth Drive
Warrendale, PA 15096

Gary,

For 2012MY, General Motors introduced the Buick Lacrosse (GMX353) with the LFX engine. This application is SAE certified to 303hp @ 6800rpm.

Beginning with the 2013MY, this application received electric power steering (EPS). This results in a reduction of the power steering pump losses, compared to previous model years, due to the engine no longer running a hydraulic power steering pump.

For 2014MY, this application will continue to have EPS and General Motors would now like to take this into account for the SAE certified power. Therefore, General Motors would like to amend the SAE certified power number per section 9 of the SAE J2723 procedure. With the addition of EPS, we would like to amend the Buick Lacrosse (GMX353) LFX to 304hp @6800rpm beginning with the 2014MY. The SAE certified torque of 264 lb-ft @ 5300rpm is unchanged.

The new power rating is reflected in the power worksheet below. Additionally, the original 2012MY Buick Lacrosse (GMX353) LFX SAE power certification sheet is also below for reference.

Regards,

Jennifer O. Daneshgari
HFV6 Development Validation Systems Manager