



GM Powertrain

General Motors
GM Powertrain
Engine Engineering -- Building C
Mail Code 483-710-270
895 Joslyn Avenue
Pontiac, MI 48340
U.S.A.

December 12, 2014

Gary Pollak
SAE
400 Commonwealth Drive
Warrendale, PA 15096

Gary,

For 2016 MY, General Motors will introduce the Cadillac CTS Sedan V-Series with the LT4 engine. This is the same Regular Production Option (RPO) LT4 engine previously SAE certified via witness testing for the 2015 MY Chevrolet Corvette. The restriction levels of the CTSv application have been reflected in the attached SAE power rating. The SAE rating was generated from the 2015 Corvette LT4 via isopower per the torque and horsepower plots shown below.

Please also note that this information is being restricted as far as release to the public until after December 22, 2014.

Regards,

Brad Sevald
Development Validation Systems Manager
Small Block Engines

Power

Manufacturer Name	General Motors Powertrain
Address:	895 Joslyn Rd
City:	Pontiac
State	MI
Country:	USA
Postal Code	48340
Engine:	Small Block V8 LT4 A1LL
Type of Certification:	Single Engine Certification
Model Year & Vehicle Application(s).	2016 Cadillac CTS Sedan V-Series LT4, 93 Octane PON;
Test Standard:	J1349: Sept2011, SAE
Test Location:	Isopower - Based on Y1XX Test conducted in Pontiac Dyno Lab Test Cell D116
Engine Serial Number:	Isopower - Based on Y1XX SAE Witness testing of P5T4Y104 AP
Test/Run Number:	Isopower - Based on Y1XX SAE Witness testing of P5T4Y104 AP 2014-01-21-00001/E_F5_ENG_J1349.22736, E_F5_ENG_J1349.22738, E_F5_ENG_J1349.22743
Test Date:	15May2014

RESULTS:

The engine described herein was tested on 15May2014 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)	6400	640	6400.00	640.35	-0.05465761
Torque (lb-ft)	3600	630	3600.00	630.45	-0.07137759

*Determined via isopower

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 be at least 98% of the rated torque and power values indicated on this report.

Name:
Title:
Date:


JORDAN LEE
CHIEF ENGINEER AND PROGRAM MANAGER
12-12-2014

SAE Cert Offset for Alpha

