

Oct 29, 2018

General Motors Company
Engine Development & Validation
Global Propulsion Systems
800 N Glenwood Ave
Pontiac, MI 48340
gm.com

To SAE International:

Attached, please find a submission for a SAE Power Certification test that was performed on a 2.0L LSY I4 that is a model year 2019 engine, for the Cadillac CT6. We used a previous test for the Cadillac XT4, and included an ISOPOWER plot, as there are very minimal differences between the two vehicle applications. The previous test that we used is test number 17681, which was run on March 1, 2018.

Thank You,



Kris Keary

LSY Regional Assistant Chief Engineer

SAE Power Certification
Form J2723 B



Manufacturer Name	Opel Automobile GmbH
Address:	Bahnhofplatz
City:	Rüsselsheim
State	Hessen
Country:	Germany
Postal Code	65423
Engine:	U20SHT
Type of Certification:	Single Engine Certification
Model Year & Vehicle Application(s):	MY 19; Carline: O1SL, Cadillac CT6
Test Standard:	SAE J1349: Mar. 2018
Test Location:	Isopower data based on 2019 LSY E2UL Cadillac XT4 witness testing in Rüsselsheim, Test Bench 19
Engine Serial Number:	Isopower data based on 2019 LSY E2UL Cadillac XT4 witness testing on 3059A
Test/Run Number:	Isopower data based on 2019 LSY E2UL Cadillac XT4 witness testing 17681
Test Date:	Isopower data based on 2019 LSY E2UL Cadillac XT4 witness testing March 01, 2018

RESULTS:

The engine described herein was calculated on Isopower data based on 2019 LSY E2UL Cadillac XT4 witness testing March 01, 2018 according to SAE J1349: Mar. 2018, Engine Power Test Code in the presence of a qualified SAE Witness, and was determined to produce the following results:

Parameter	Rated Speed [1/min]	Rated Output	Measured Speed [1/min]	Measured Output	Difference [%]
Power [hp/kW]	5000	237 hp/177 kW	5001.38	234.7 hp/175.0 kW*	-0.97
Torque [lb-ft/Nm]	1500 - 4000	258 lb-ft/350 Nm	1500.35 - 4001.06	258.80 lb-ft - 261.61 lb-ft 350.89 Nm - 354.69 Nm	0.31

*determined via isopower

Witness

Date

APPROVALS:

General Motors declares that the engine tested for this report is representative of engines in series production. General Motors 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: Kris Keary
Title: Regional Assistant Chief Engineer
Date: 10/25/2018