

January 21, 2016

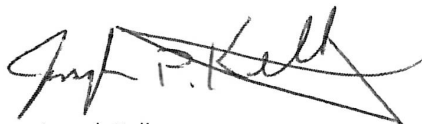
General Motors Powertrain
M/C 483-710-270
850 Glenwood Avenue
Pontiac, MI 48340-2920

Gary Pollak
SAE
400 Commonwealth Drive
Warrendale, PA 15096

Gary,

For Model Year 2017, General Motors will offer the LCV engine in the Buick Envision 4-Door Crossover. This is the same Regular Production Option (RPO) LCV engine previously SAE certified via witness testing for the Model Year 2013 Chevrolet Malibu. The restriction levels of the Envision have been reflected in the attached SAE Power Rating. The SAE rating was generated from the Model Year 2013 Chevrolet Malibu using isopower per the torque and horsepower plots, also attached.

Thank you,



Joseph Kelly
Development Validation System Manager
Large Gas Engines



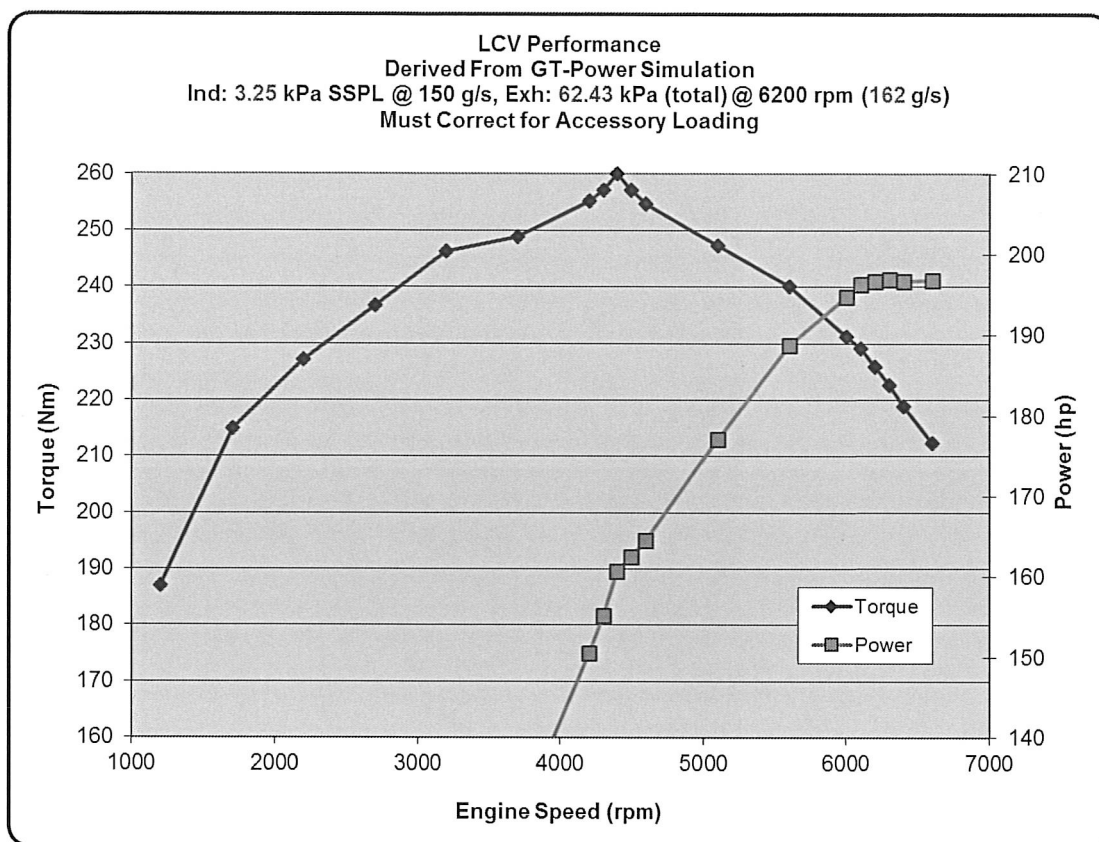
GENERAL MOTORS



Documents
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SAE Power Certification Form J2723 B J2723 Aug2007		SAE J1349 Certified Power™			
Manufacturer Name	General Motors Powertrain				
Address:	895 Joslyn Rd				
City:	Pontiac				
State:	MI				
Country:	USA				
Postal Code:	48340				
Engine:	ECOTEC Gen2 LCV				
Model Year & Vehicle Application(s):	2017 LCV / D2UB Buick Envision				
Test Standard:	J1349:Sep2011				
Test Location:	IsoPower Data - Based on 2013 LCV / GMX351 (Chevrolet Malibu) Test conducted in Pontiac Dyno Lab Test				
Engine Serial Number:	IsoPower Data - Based on 2013 LCV / GMX351 (Chevrolet Malibu) SAE Witness Testing of P3CVG127				
Test/Run Number:	IsoPower Data - Based on 2013 LCV GMX351 (Chevrolet Malibu) SAE Witness Testing of engine P3CVG127				
RESULTS: The engine described herein was tested on 16Nov'11 according to the requirements prescribed in J1349:Sep2011, 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 [kW/hp]	6300	146.9/197	6300	146.9/197	0.00%
Torque [Nm/lb-ft]	4400	260/191.8	4400	260/191.8	0.00%
*Determined via isopower ** Accounted for Accessory Drive Losses SAE Certified Witness Date					
APPROVALS: General Motors Powertrain declares that the engine tested for this report is representative of engines in series production. General Motors Powertrain 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:	Assistance Chief Engineer				
Date:	12/10/15				
Authorization Date:					





Engine Speed	Torque	Power	
<i>rpm</i>	<i>Nm</i>	<i>hp</i>	<i>kw</i>
1200	187.0	31.5	23.5
1700	214.9	51.3	38.3
2200	227.2	70.2	52.3
2700	236.7	89.7	66.9
3200	246.3	110.7	82.5
3700	248.9	129.3	96.4
4200	255.3	150.6	112.3
4300	257.0	155.2	115.7
4400	260.0	160.7	119.8
4500	257.2	162.5	121.2
4600	254.6	164.5	122.7
5100	247.4	177.2	132.1
5600	240.1	188.8	140.8
6000	231.2	194.8	145.3
6100	229.2	196.3	146.4
6200	225.9	196.7	146.7
6300	222.7	197.0	146.9
6400	218.9	196.7	146.7
6600	212.3	196.8	146.7