

**SAE Power Certification
Form J2723 B**

J2723 Aug2007

SAE J1349
Certified Power™

Manufacturer Name	General Motors
Address:	850 North Glenwood Ave
City:	Pontiac
State	MI
Country:	USA
Postal Code	48340
Engine:	LYX
Model Year & Vehicle	2018 LYX
Application(s):	Terrain/Equinox/Captiva - D2UG/C/H
Test Standard:	J1349:Sep2011
Test Location:	Pontiac, GM Global Propulsion Systems- Building C Dyno Wing 2 Cell D219
Engine Serial Number:	N8FVG748
Test/Run Number:	E_F5_ENG_J1349.95282

RESULTS:

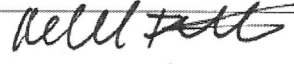
The engine described herein was tested on June 29, 2016 according to the requirements prescribed in J1349:Sep2011, Engine Power Test Code in the presence of a qualified SAE Witness, and was determined to produce the following results:

Parameter	Rated Speed	Rated Output	Measured Speed	Measured* Output	% Difference
Power (hp/kW)	5600	170/127	5600	169.4/126.3	0.35/0.55%
Torque (ft-lbs/Nm)	2000-4000	203/275	2000-4000	204.9/277.5	0.93/0.90%

SAE Certified Witness 
Date June 29, 2016

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: 
Title: SGE-CE
Date: AUGUST 10/16
Authorization Date:

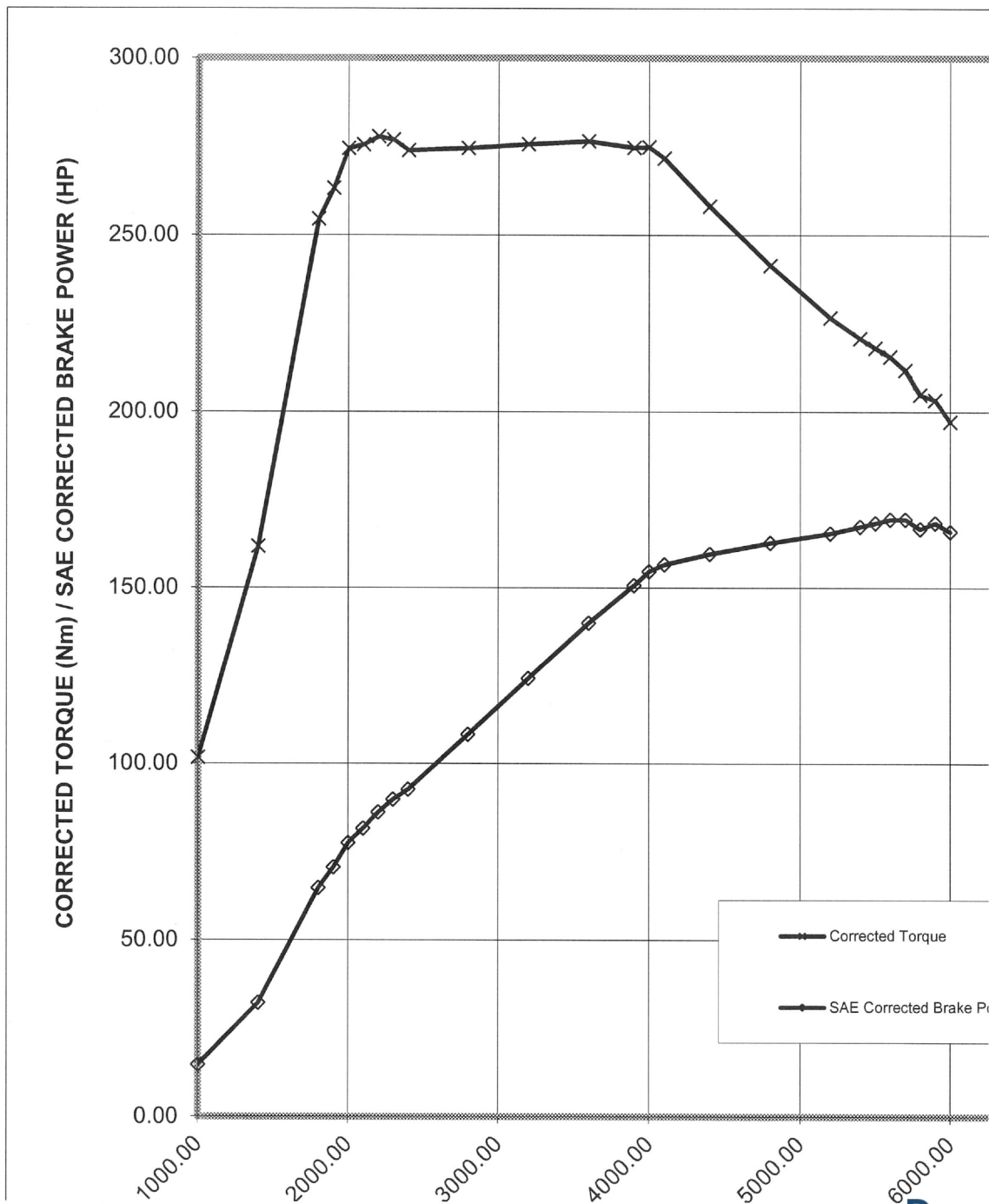
WOT Engine Power Plot

J2723 Aug2007

General Motors

1500 (cc) / DOHC / Inline-4

2018 LYX Terrain/Equinox/Captiva -
D2UG/C/H



SAE J2723 AUG2007
SAE POWER CERTIFICATION FORM J2723 A
ENGINE DESCRIPTION (AS TESTED):

SAE Power Certification Form J2723 A		SAE J1349 Certified Power™
J2723		
ENGINE DESCRIPTION - Data Entry Form		
Description	Value (Enter Values)	Units
Displacement (cc)	1500	cc
Configuration/Number of Cylinders:	Inline-4	
Valve Train:	DOHC	
Type:	Gasoline	
Combustion Cycle:	Four Stroke	
Pressure Charging:	Turbocharged	
Charge Air Cooling:	Air-to-Air Charge Air Cooler	
Bore (mm)	74	mm
Stroke (mm)	86.6	mm
Cylinder Numbering Convention	1-2-3-4 from front of crank	
Firing Order:	1-3-4-2	
Compression Ratio:	10:01:00	
Fuel System:	SIDI	
Fuel System Pressure	20 Mpa rail pressure	
Ignition System:	Electronic Spark Ignited Coil on Plug	
Knock Control:	Dual Wide-Band Knock Sensor	
Intake Manifold:	Passive	
Exhaust Manifolds:	Integrated Exhaust Manifold	
Cooling System:	Forced flow liquid cooling	
Coolant Liquid:	50% Water / 50% DEX-COOL	
Thermostat:	Inlet side- blocked open	
Cooling Fan	None (electric fan in vehicle)	
Lubricating Oil:	0W20 Dexos	
Fuel:	87 PON	
Fuel Shut Off Speed:	6500	RPM
Notes:	Calibration: ECU: e80a181812301_LYX_RevBG_dyno05102016C _ESCon_sprkrev20B_AMZ.exp Contoller: E80	