

**SAE Power Certification
Form J2723 B**

SAE J1349
Certified Power™

J2723 Aug2007

Manufacturer Name	General Motors
Address:	800 North Glenwood Avenue
City:	Pontiac
State:	Michigan
Country:	United States
Postal Code	48340-2920
Engine:	6.2L OHV LT2 V8
Model Year & Vehicle Application(s)	2020 Y2XX equipped with Standard Exhaust System
Test Standard:	J1349:Sep2011
Test Location:	D202 Pontiac Engineering Center Global Propulsion Systems
Engine Serial Number:	N0T2G246AP 2019-03-11-00002
Test/Run Number:	E_F5_ENG_J1349.175239 E_F5_ENG_J1349.175244 E_F5_ENG_J1349.175250

RESULTS:

The engine described herein was tested on April 9, 2019 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)	6450	490 / 365.4	6450	490.4 / 366.1	-0.08%
Torque (ft-lbs/Nm)	5150	465 / 630.5	5150	467.0 / 633.2	-0.43%

SAE Certified Witness

Date April 9, 2019

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:

Date:

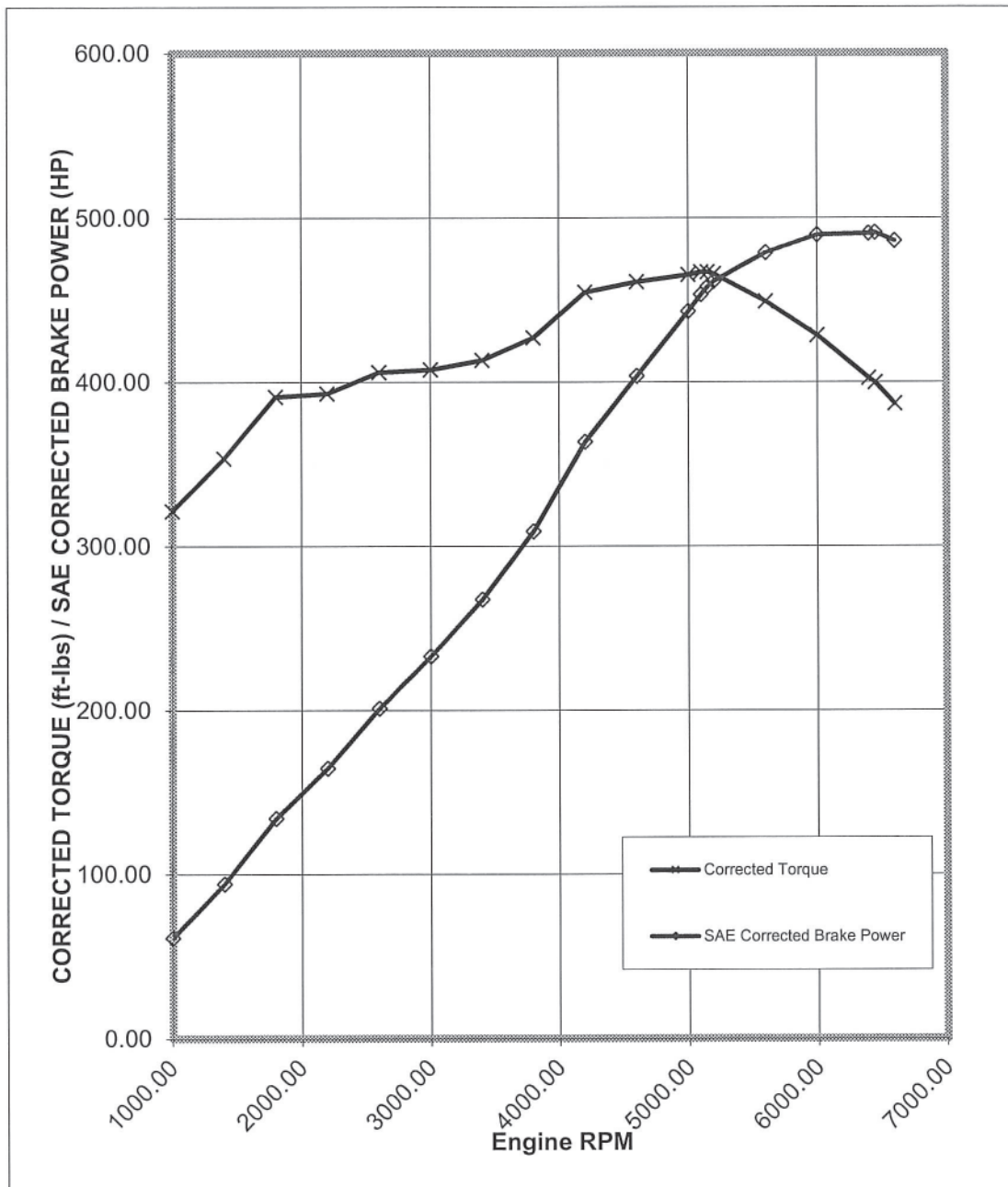
Authorization Date:

JORDAN LEE
CHIEF ENGINEER
7-15-2019

WOT Engine Power Plot

J2723 Aug2007

General Motors
6162 (cc) / OHV / 90° V8
2020 Y2XX equipped with Standard
Exhaust System



SAE Power Certification Form J2723 A		SAE J1349 Certified Power™
J2723		
ENGINE DESCRIPTION - Data Entry Form		
Description	Value (Enter Values)	Units
Displacement (cc)	6162	cc
Configuration/Number of Cylinders:	90° V8	
Valve Train:	OHV	
Type:	Gasoline	
Combustion Cycle:	Four Stroke	
Pressure Charging:	Naturally Aspirated	
Charge Air Cooling:	None	
Bore (mm)	103.25	mm
Stroke (mm)	92	mm
Cylinder Numbering Convention	rank pulley to flywheel, #1 front left, #2 front right	
Firing Order:	1-8-7-2-6-5-4-3	
Compression Ratio:	11.5:1	
Fuel System:	Direct Injection	
Fuel System Pressure	500 kPa	
Ignition System:	Spark Ignited, Coil to Wire to Spark Plug	
Knock Control:	Dual Wide-Band Knock Sensors	
Intake Manifold:	Plastic Molding	
Exhaust Manifolds:	Steel Headers	
Cooling System:	Forced Flow Liquid Cooling	
Coolant Liquid:	50% Water and 50% DEXCOOL	
Thermostat:	Outlet Side - Blocked Open	
Cooling Fan	Electric	
Lubricating Oil:	SAE 0w40	
Fuel:	Test Fuel: Sunoco 260 GT (100 PON) Customer Fuel: Premium (93 PON)	
Fuel Shut Off Speed:	6600	RPM
Notes:	Build Phase: Gamma NPP 2-Mode Exhaust Backpressure Curve	