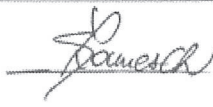
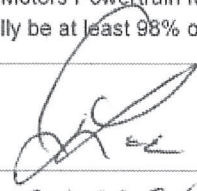


| SAE Power Certification<br>Form J2723 B                                                                                                                                                                                                                                                                                             |                                                                   | SAE J1349<br>Certified Power™ |                |                 |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------|----------------|-----------------|--------------|
| J2723 Aug2007                                                                                                                                                                                                                                                                                                                       |                                                                   |                               |                |                 |              |
| Manufacturer Name                                                                                                                                                                                                                                                                                                                   | General Motors Powertrain                                         |                               |                |                 |              |
| Engine:                                                                                                                                                                                                                                                                                                                             | L96                                                               |                               |                |                 |              |
| Model Year & Vehicle                                                                                                                                                                                                                                                                                                                | 2016 GMT610                                                       |                               |                |                 |              |
| Application(s)                                                                                                                                                                                                                                                                                                                      | (≥10,000 lb GVWR ) & (< 10K)<br>GMC Savanna and Chevrolet Express |                               |                |                 |              |
| Test Standard:                                                                                                                                                                                                                                                                                                                      | J1349: Sep2011                                                    |                               |                |                 |              |
| Test Location:                                                                                                                                                                                                                                                                                                                      | GM Powertrain Laboratory                                          |                               |                |                 |              |
| Engine Serial Number:                                                                                                                                                                                                                                                                                                               | 21152786DPBX0680                                                  |                               |                |                 |              |
| Test/Run Number:                                                                                                                                                                                                                                                                                                                    | 2015-11-23-00006/<br>E_F5_GAS_J1349.83985                         |                               |                |                 |              |
| Test Date:                                                                                                                                                                                                                                                                                                                          | March 17, 2016                                                    |                               |                |                 |              |
| <b>RESULTS:</b>                                                                                                                                                                                                                                                                                                                     |                                                                   |                               |                |                 |              |
| The engine described herein was tested on 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)                                                                                                                                                                                                                                                                                                                          | 5400                                                              | 341                           | 5400           | 338             | 0.88%        |
| Torque (lb-ft)                                                                                                                                                                                                                                                                                                                      | 4200                                                              | 373                           | 4200           | 370             | 0.80%        |
| <div style="text-align: center;"> <br/>           SAE Certified Witness Gerard Lamesch<br/>           Date 12-Apr-16         </div>                                                                                                              |                                                                   |                               |                |                 |              |
| <b>APPROVALS:</b>                                                                                                                                                                                                                                                                                                                   |                                                                   |                               |                |                 |              |
| 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. |                                                                   |                               |                |                 |              |
| <div style="text-align: center;"> <br/>           Name: _____<br/>           Title: Chief Engineer<br/>           Date: 4-14-16<br/>           Authorization Date: _____         </div>                                                          |                                                                   |                               |                |                 |              |

**WOT Engine Power Plot**

J2723 Aug2007

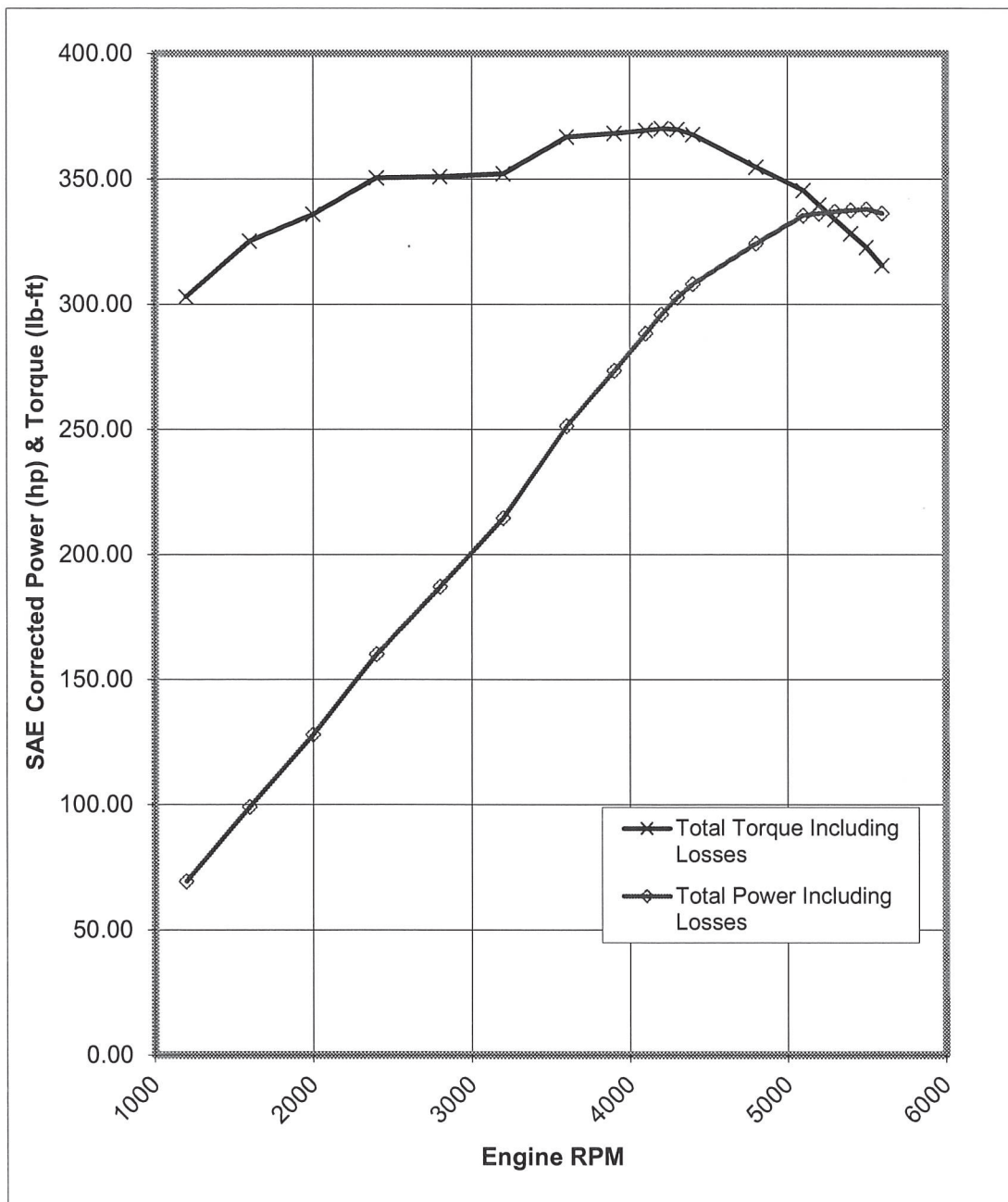
General Motors Powertrain

5967 (cc) / OHV / 90° V8

2016 GMT610

(≥10,000 lb GVWR ) & (< 10K)

GMC Savanna and Chevrolet Express



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

| SAE Power Certification<br>Form J2723 A |                                                                                                                                                                                                                                                                                                                | SAE J1349<br>Certified Power™ |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| J2723 Aug2007                           |                                                                                                                                                                                                                                                                                                                |                               |
| ENGINE DESCRIPTION - Data Entry Form    |                                                                                                                                                                                                                                                                                                                |                               |
| Description                             | Value (Enter Values)                                                                                                                                                                                                                                                                                           | Units                         |
| Displacement (cc)                       | 5967                                                                                                                                                                                                                                                                                                           | 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)                               | 101.6                                                                                                                                                                                                                                                                                                          | mm                            |
| Stroke (mm)                             | 92                                                                                                                                                                                                                                                                                                             | mm                            |
| Cylinder Numbering Convention           | From front of crank nose rearward                                                                                                                                                                                                                                                                              |                               |
| Firing Order:                           | 1-8-7-2-6-5-4-3                                                                                                                                                                                                                                                                                                |                               |
| Compression Ratio:                      | 9.67:1                                                                                                                                                                                                                                                                                                         |                               |
| Fuel System:                            | Port Fuel Injection                                                                                                                                                                                                                                                                                            |                               |
| Fuel System Pressure                    | 400 kPa (Nominal)                                                                                                                                                                                                                                                                                              |                               |
| Ignition System:                        | Electronic Spark Ignited Coil on Plug                                                                                                                                                                                                                                                                          |                               |
| Knock Control:                          | Dual Wide-Band Knock Sensors                                                                                                                                                                                                                                                                                   |                               |
| Intake Manifold:                        | Passive plastic shell molding                                                                                                                                                                                                                                                                                  |                               |
| Exhaust Manifolds:                      | Cast Iron - Log Style                                                                                                                                                                                                                                                                                          |                               |
| Cooling System:                         | Forced flow liquid cooling                                                                                                                                                                                                                                                                                     |                               |
| Coolant Liquid:                         | 50% water and 50% ethylene glycol (by volume)                                                                                                                                                                                                                                                                  |                               |
| Thermostat:                             | Outlet side - blocked open                                                                                                                                                                                                                                                                                     |                               |
| Cooling Fan                             | Mechanical Motor Driven                                                                                                                                                                                                                                                                                        |                               |
| Lubricating Oil:                        | SAE 5W30                                                                                                                                                                                                                                                                                                       |                               |
| Fuel:                                   | Baseline 87 Summer (E10)                                                                                                                                                                                                                                                                                       |                               |
| Fuel Shut Off Speed:                    | 5600                                                                                                                                                                                                                                                                                                           | RPM                           |
| Notes:                                  | <p>The Mechanical fan losses will be subtracted from the resultant power data at each speed.</p> <p>Engine build phase - Pilot (Plant Built)</p> <p>ECU PN - 12601244JEV0043N</p> <p>Software - e78a1115B11304_quasi</p> <p>Calibration - L96_Comp_GU6_31gal_E85_e78a1115B11304_16my56_JKW_Dynoized_ESCoff</p> |                               |