



Service Bulletin

PRELIMINARY INFORMATION

Subject: Normal Characteristic - Higher Than Expected Oil Pressure Gauge Readings

Models: 2010-2013 Chevrolet Corvette Gran Sport
with a 6.2L Engine (RPO LS3)
and a Dry Sump Lubrication System (RPO Z52)

This PI was superseded to update model years. Please discard PIP4768A.

Condition/Concern

Some Corvette Gran Sport owners may complain that their oil pressure gauge occasionally pegs at max oil pressure during some cold start operating conditions. They may also complain of higher than expected oil pressure gauge readings, especially if they are comparing their oil pressure gauge readings to another vehicle that is not a Gran Sport with the LS3 engine and a Dry Sump Lubrication System (RPO Z52).

Recommendation/Instructions

The oil pressure gauge range of this vehicle is 0 to 80 psi, where models with a LS7 engine have a range of 0 to 100 PSI. The oil pressure gauge may occasionally peg at max oil pressure during some cold start operating conditions. The high performance LS3 dry sump lubrication system, RPO Z52, is robust to these higher oil pressures. If no oil pressure sensor DTC's are present, the conditions described above should be considered a normal characteristic of this system.

The LS3 engine found in the 2010 Corvette Gran Sport is equipped with a high performance dry sump lubrication system, Z52, while other models are not - they are equipped with a standard wet sump lubrication system.

The high performance LS3 dry sump lubrication system includes the following:

- higher flow and higher set pressure dual stage oil pump
- unique forged steel crankshaft (similar to LS9)
- high performance tri-metal main and rod bearings (same as LS7 and LS9)
- higher pressure oil filter

Customer Information

Please communicate to the customer this condition is a normal operating characteristic of their vehicle. It will not impact the designed performance or reliability of the vehicle. Please share this information with the customer, including a copy of this message.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



WE SUPPORT VOLUNTARY TECHNICIAN CERTIFICATION