GENERAL MOTORS LLC
Global Interior and Safety Center

February 14, 2012

Mr. Claude Harris
Acting Associate Administrator for Enforcement
National Highway Traffic Safety Administration
Recall Management Division (NVS-215)
1200 New Jersey Avenue, SE – Room W45-306
Washington, D.C. 20590

Dear Mr. Harris:

The following information is submitted pursuant to the requirements of 49 CFR Part 579.11. General Motors has decided to conduct a Safety Recall involving certain 2012 model year Chevrolet Aveo and Sonic model vehicles.

This Safety Recall involves vehicles that were manufactured and sold outside of the United States. General Motors sold substantially similar vehicles in the United States.

Vehicles identified in this letter as "substantially similar" under the broad definition specified in 49 CFR Part 579, can have significant differences in design, performance, durability, etc. These vehicles may not be "substantially similar" except for purposes of reporting under 49 CFR Part 579. Please contact me if you have any further questions concerning this report.

Sincerely,

M. Carmen Benavides
Director, Product Investigations
and Safety Regulations

2012-1 A-110336 FR 579 Letter
Attachment

Mail Code: 480-210-2V1
30001 Van Dyke • Warren, MI 48090-9010

# GENERAL MOTORS CORPORATION

## 579.11 REPORT

| | |
|---|---|
| MANUFACTURER: | General Motors LLC |
| MAKE: | Chevrolet |
| MODEL & YEAR: | Certain 2012 Chevrolet Aveo and Sonic |
| NUMBER OF VEHICLES: | 4,254 Vehicles (Produced on November 24, 2010 through September 27, 2011) |
| ACTION TYPE DETERMINATION: | Safety Recall |
| CONDITION: | The subject vehicles produced at Bupyeong Assembly in South Korea may have been assembled with an antilock brake system (ABS), containing Kukdong DOT4 brake fluid as an assembly lubricant, with a high moisture content. This lubricant may cause corrosion on the fluid pump piston resulting in inefficient fluid pump performance of the hydraulic unit, due to internal leakage at the lip seal. Also, If air is not evacuated properly from ABS module inner circuit during vehicle assembly, a vehicle with this condition could experience a momentary wheel lock if operated in a ABS function on a dried high friction road at 100 ~120 KPH. Vehicles equipped with Electronic Stability Control (ESC) are not susceptible to wheel lock. |
| CORRECTION: | All involved vehicles will be inspected and have an air bleed of the ABS module performed, or in some cases replace the ABS module. |
| DATE OF DETERMINATION: | February 8, 2012 |
| ACTION COMMENCED: | Scheduled for March 2012 |
| COUNTRIES INVOLVED: | Korea, Bahrain, United Arab Emirates, Qatar, Oman, Mexico, Chile |
| SUBSTANTIALLY SIMILAR U.S. VEHICLE: | 2012 Chevrolet Sonic |
| COMMENT: | The Substantially Similar 2012 Chevrolet Sonic models sold in the United States are produced at Lake Orion Assembly in the United States. These Chevrolet Sonic models are produced with ESC modulators that are not susceptible to wheel lock, due to the much higher pump volume capacity that is required for ESC operation. This results in increased robustness of the design relative to potential piston lip seal leakage, or ABS piston pump degradation by an air bubble in ABS circuit, during ABS application. GM is not aware of any reports of ABS wheel lock on 2012 Chevrolet Sonic models sold in the US. |