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The Long-Term Durability Of Onboard Vehicle Vapor Recovery (ORVR) Control Systems

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ABSTRACT:

The objective of this paper is to discuss the issues relating to the long-term durability of the onboard vehicle vapor control systems.

Onboard Refueling Vapor Recovery (ORVR) systems are expected to control the refueling emissions throughout the entire vehicle operating life. There are no significant "wear-out" mechanisms in the design of the systems. ORVR systems have been in production for 7 years with no history of performance problems, and none is expected. The "On-Board Diagnostic System" (OBD II) will monitor system integrity through a periodic system pressure check as well as the purge diagnostic and will give an engine problem signal indicating the need for service technician attention. Periodic local vehicle Inspection/Maintenance inspections help ensure that such alarms are acted on further assuring necessary vehicle maintenance and repair.