

Advanced Technical Information

Bulletin #: 2506

Part ID: 1701

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Accelerated Accumulation of Ash in the Gasoline Particulate Filter due to Unapproved Engine Oils

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
911	As of 2025	992	N/A	OPF

Revision History

Revision	Release Date	Changes
0	March 7, 2025	Original document

Technical Background

The 992.II generation of 911 is equipped with a gasoline particulate filter (GPF/OPF) in the North American market to ensure that all vehicles achieve the cleanest possible level of emissions.

Ash is formed as oil is burned during the combustion process. Ash from burned oil is separate from the soot that is formed as a result of unburned fuel during the combustion process. Similar to the E2 Cayenne Diesel, soot can be burned in the particulate filter by very high temperatures (filter regeneration); whereas ash cannot be burned and gradually accumulates inside the particulate filter. The accumulation of ash in the GPF affects the exhaust back-pressure and reduces the amount of soot that can be stored before requiring regeneration. The DME is designed to continuously measure the amount of ash in the GPF and subsequently adjusts the amount of soot that can be stored.

Due to this permanent ash accumulation, extra caution must be taken to ensure Porsche vehicles equipped with GPFs receive only Porsche-approved engine oils during oil change services. **Using an unapproved engine oil may lead to higher-ash oil being filled in the vehicle which can overload the GPF in as little as 1,000 miles. If a GPF exceeds the maximum permissible amount of ash stored, it must be replaced.** The approved engine oils for each model are chosen to minimize the rate of ash accumulation and to therefore maximize the useful life of the GPF.

Please refer to the latest available bulletin for approved engine oils at each oil service.

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Search Items

992PA, 992.II, 911, oil, ash, soot, particle filter, OPF, GPF

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