

Complaint - Check Engine Light Active Together with Fault Memory Entries Relating to Oxygen Sensor (20/20)

Vehicle type: **Macan S (95B)/Macan Turbo (95B)/Cayenne (9YA)/Cayenne Coupé (9YB)**

Model Year: **As of 2017**

Subject: **Oil separator**

Information: **On vehicles with active Check Engine light and fault memory entries:**

- **P227000 - Oxygen sensor downstream of catalytic converter, bank 1 – signal too lean and/or**
- **P227200 - Oxygen sensor downstream of catalytic converter, bank 2 – signal too lean and/or**
- **P209800 - Lambda correction behind catalytic converter, bank 2 – lean control limit exceeded and/or**
- **P219800 - Oxygen sensor upstream of catalytic converter, bank 2 – signal too rich**

the oil separator is being replaced for no reason.



Information

An oil film in the intake system and in the throttle valve, particularly in the intake tract of cylinder bank 2 and sometimes even with drops forming, is perfectly normal and is not the cause of the fault memory entries for the oxygen sensors.

- The one-sided introduction of crankcase full load ventilation on cylinder bank 2 results in a significantly larger oil film compared to cylinder bank 1.
- The traces of oil occur particularly during frequent short journeys or in cold weather.

Replacing the oil separator will not correct the problem; PAG will not cover the costs of unwarranted replacement.

Continue fault finding to determine the cause of the fault memory entries for the oxygen sensors.

The attached sample pictures show a typical oil film in the intake system (oil film OK) ⇒ *Throttle valve* ⇒ *Vent line on oil separator*.



Throttle valve



Vent line on oil separator

Vehicle type: **Panamera (971)**

Subject: **Oil separator**

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- **P227200 - Oxygen sensor downstream of catalytic converter, bank 2 – signal too lean and/or**
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Continue fault finding to determine the cause of the fault memory entries for the oxygen sensors.

The attached sample pictures show a typical oil film in the intake system (oil film OK) ⇒ *Air cleaner housing* ⇒ *Throttle valve* ⇒ *Vent line on oil separator*.



Air cleaner housing

*Throttle valve**Vent line on oil separator*

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