

Loss of oil on turbocharger compressor side due to wrongly measured exhaust gas back pressure by damaged (differential) pressure sensor

Please note:

After exchanging the turbocharger loss of oil occurs on the compressor side of the turbocharger. The reason is an increased exhaust gas back pressure due to a clogged diesel particle filter (DPF).

The clogged DPF remains undetected if the differential pressure sensor and its pipes are worn. This leakage increases slowly and leads to a pressure loss on the sensor and consequently, to a complete coking of the test pipes.

Both of those conditions are responsible for faulty responses back to the engine control unit. This leads to a delayed or completely failing regeneration of the DPF.

Increased exhaust gas back pressure causes coking of the exhaust gas recirculation (EGR), the control damper blade and the tumble valves in the intake manifold. Hot exhaust gasses are pressed into the bearing housing of the turbocharger and cause the loss of oil on the compressor side. The oil is then collected in the intercooler.

Measuring the exhaust gas back pressure manually:

Please insert a T connector with tube and manometer at the sensor before the DPF. Briefly blow air through all hoses before starting the measurement. Under operating temperature of the vehicle when test driving (even under full load), the measured exhaust gas back pressure may not exceed **300 mbar** in any rpm-range. We also offer a suitable measuring tool (part no.: **MESS01**).



Vehicle Manufacturer: OPEL, VAUXHAL, SAAB, FIAT

Vehicle: Astra, Vectra, Signum; Zafira, Saab 9-3, Saab 9-5, Croma

Engine code: Z19 DTH, 1.9 CDTI, 1.9 Multijet, 1.9TiD

Validity: This service information is valid for renewing the turbocharger with

BTS reference: T914517, T914517BL, T914405, T914405BL

BTS-Service-Set-Nr: T981242, T981242BL, T981368, T981368BL, T981265, T981265BL, T981357, T981357BL

Please note: OE-references are only for means of comparison. The content of this Service Information is non-binding and is only for informational purposes. The manufacturer specifications have to be adhered to.