

### The filter tissue inside the crankcase ventilation is clogged – increased internal crank case pressure

#### Introduction:

The vehicle manufacturer should have replaced the filter mat inside the crankcase ventilation by a modified product during the recall action of vehicles produced between 01.2006 and 03.2009. Out of experience we know that these tissues or filter elements tend to get clogged by the organic-diesel proportion in the engine oil. The ingress of fuel into the engine oil has considerably increased at vehicles with high mileage, without being able to notice it by checking the oil dipstick.

#### Note:

An increased internal crankcase pressure hinders the oil to flow back properly out of the bearing housing of the turbocharger. If an oil loss on the exhaust side of the turbo is to occur, an impairment of the DPF is unavoidable and the increasing exhaust gas back pressure will inflict damage to the bearings of the rotor shaft. An oil loss on the compressor side will cause contamination of the boost pressure course. Sucked in oil accumulations pose a risk which might lead to an unwanted revving up of the engine.

#### Instructions:

When renewing the turbocharger we recommend replacing the filter tissue or element of the crankcase ventilation. With increased mileage the oil change intervals should be shortened and the internal crankcase pressure should be checked regularly.



exemplary A6460101562

You can check the crankcase pressure and the exhaust gas pressure with our measuring tool MESS01.

**Vehicle Manufacturer:** Mercedes

**Vehicle:** Sprinter 213 CDI, 215 CDI, 313 CDI, 315 CDI, 513 CDI, 515CDI

**Engine code:** OM646.989, OM646.990

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

**BTS reference:** T914374, T914391 (2-stage charging) **BTS-Service-Set-No:** T981444, T981445

**OE-no.:** 54399880049 und 53049880057 (2-stage charging)

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.