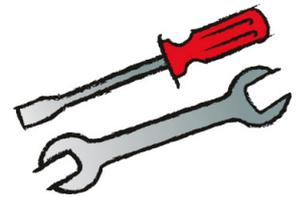




Das Original

TSI 10/10



# Tips from the gasket expert Engine failure – is the cylinder head gasket to blame? Oil leakage, sealing compound on sealing element (truck)

### Damage symptoms:

The elastomer sealing element has been pressed away from the carrier plate. Dirt particles are in the sealing groove.



### Cause:

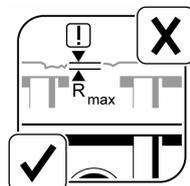
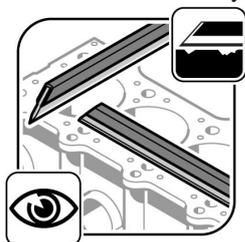
Additional sealing compound was applied to the metal carrier plate. As a result of vulcanization, the elastomer sealing element was subjected to additional pressure and pushed back, causing oil leakage. The damage was accelerated by dirt particles that accumulated from the oil.

### Other possible causes:

- The sealing element was damaged during installation/positioning of the cylinder head.

### Measures:

Check the condition of the sealing surfaces very closely before installation and ensure that the cylinder head is. If necessary resurfacing by a specialist. Do not use sealing compounds. Change oil regularly.



Para- meters	Metal/soft- material	Multi-layer metal	Metal- elastomer
R <sub>z</sub>	15 - 20 µm	11 µm	11 - 20 µm
R <sub>max</sub>	20 - 25 µm	15 µm	15 - 20 µm
W <sub>t</sub>		8-10 µm	