



LATEST GDC OE DEVELOPMENT THE GDC 60 PISTON RING



LATEST RANGE ADDITION

Part number 08-412000-00OE 05L 198 151 A

■ Engine 2.0L EA288 EVO TDI Eu6

Application VW PASSAT B8, GOLF VIII, CADDY V







ENGINE EXPERTISE









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GDC60 COATING - CHARACTERISTICS AND PERFORMANCE 200x 200x GDC50 GDC60 50 µm 50 µm **Ring Wear Friction** 0,060 6 mixed friction coeff. [µm] 0,046 4,5 0.043 0,050 ring wear [µm] 0,040 0,030 2,3 1,8 0,020 Ι 0,010 0,000 GDC50 GDC60 CKS36 GDC60 GDC50 CKS36 CR4 CR4 **Scuffing Liner Wear** 200 178 → PVD comparable level 180 160 abort after [µm] 145 liner wear [µm] -5 140 -10 120 Ι 97 100 -15 -12,5 -14 80 -20 60 40 -25 20 -24 0 -30 GDC60 GDC50 CKS36 CR4 GDC60 GDC50 CKS36 CR4

WHAT ARE THE BENEFITS OF USING GDC60 PISTON RINGS?

- Latest OE GDC technology
- Finer network of microcracks containing increased numbers of nanodiamond particles compared to GDC50, resulting in a higher density and more equal distribution of diamond particles.
- Improved ring and liner wear, reduced friction, and better scuffing behavior compared to GDC50.
- Possibility to develop more efficient engines with higher cylinder pressures.









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