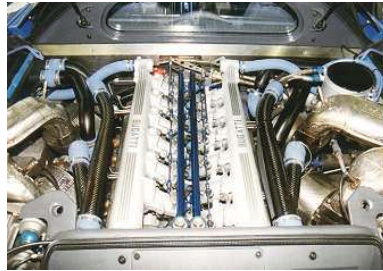


# Diff Tests that have been done with **CERACOAT** ceramic - CERAMIC COATING



TESTMETHOD	TESTNORM	RATIO	RESULT
<b>wearreduction</b> <u>pin on disc test</u> <u>pin on disc test</u> <u>ball/ring test</u>	TU/TNO TU/TNO TU/TNO/IRG/OECD	2% in baseoil 2% in HD-oil 2% in HD-oil (GL4-6) 5% in HD-oil (GL4-6) 2% in engineoil (15W40)	upto 84% upto 71% upto 50% upto 50% upto 40%
<b>frictionreduction</b> <u>pin on disc test</u> increase idle rpm after 3 hrs driving	TU/TNO ISO 7148-FTP-USA	2% in baseoil 2% in engineoil (15W40)	up to 35% + 18%
<b>increase load</b> <u>4 ball test</u> -scar reduction -OK load -weld load <u>ball/ring test</u> increase load untill boundary lubrication increase load untill fretting	ASTM D 2266 D2596 D2596 TU/TNO/IRG/OECD Transitiondiagramm	2% in baseoil 2% in baseoil 2% in baseoil 2% in baseoil 5% in baseoil 2% in HD-oil (GL4-6) 2% in baseoil 5% in baseoil 2% in HD-oil (GL4-6)	upto 30% upto 30% upto 25% upto 59% upto 70% upto 22% upto 22% n.a.
<b>starting torque reduction</b> <u>ball/ring test</u>	TU/TNO/IRG/OECD	2% in engineoil (15W40)	upto 50%
<b>gas savings in engines</b> -city driving -high way driving -heavily loaded engines -increase idle rpm -reduction CO	FTP-USA FTP-USA FTP-USA FTP-USA FTP-USA	2% in engineoil 2% in engineoil 2% in engineoil	upto 10% upto 6,5% upto 5,9% upto 18% upto 50%
<b>wear reduction in engines</b> pistonring weartest with radioactivity	FHU	2% in engineoil	upto 68%
<b>powertest of engines</b> rollerbank test testengine: 1,6 liter Golf	MTS/Gasinstitute	2% in engineoil	rpm-increase % 1500 4,8 2000 2,7 2500 4,0 3000 4,1 3500 4,2 4000 3,6 4500 4,7 5000 4,0 5500 6,7 6000 17,3
<b>rentability of engines</b> testbank with Foucaultcurrent brake testengine: DAF Turbo Diesel, Type DHR 825	FHU/Driebergen	2% in engineoil	rpm-increase % 1600 3,6 1800 7,3 2000 5,7 2200 6,7 2400 6,4