Power-Upgrade for engines and gearboxes

REWITEC – Technology: successful in motor sports

"Since the treatment of our powerful 400 hp turbo-racing engine with REWITEC M2 and the treatment of our gearboxes with REWITEC G5 we have increased power by 13 hp and 12 Nm torque.

Due to the reduced friction resistance of the complete drive system, we lowered the fuel consumption of our high-power aggregate by about 5%.

We are now able to drive for a longer period of time while others have to pull into the pit sooner. Since the REWITEC treatment we are in a leading position."

Andre Engel

REWITEC Racing Team Engel/Heigl

REWITEC Automotive Coatings

Category	Application
M1	motorcycle engines up to 750 ccm
M2	gasoline and diesel engines up to 2000 ccm
M3	gasoline and diesel engines up to 3000 ccm
G5	gearboxes and differentials up to 5 litres oil capacity

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A REWITEC-partner near you:

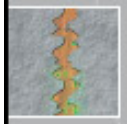
Power-Upgrade

REWITEC Nanocoating: Power optimization and wear protection treatment

The metal-silicate coating for sliding metal surfaces renews worn out surfaces. The newly formed metal-silicate surface has excellent properties. Friction and wear are noticeably reduced, and the efficiency and lifetime of your engine will be increased.

Coating process

Friction in engines and gearboxes generates high temperatures on surfaces that trigger the chemical bonding process of REWITEC.



The soft silicate-particles remove dirt from rubbing metal surface and react with the metal to form a smooth and protective layer on the surface.

The final result is a new and very smooth metal surface structure. These properties, in turn, give the machine more power, higher efficiency and longer life.

Advantages for the environment

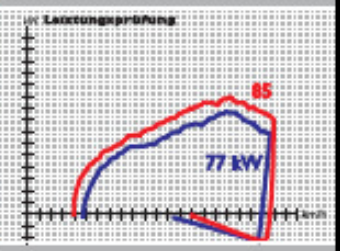
- Regeneration of engine power
- Reduction of fuel consumption
- Extension of lifetime
- Restoration of worn out metal surfaces
- Protection against new wear
- Improvement of cold-start properties
- Reduction of oil consumption
- Reduction of engine noise and vibration harshness
- Reduction of CO-, HC-, NO_x- and diesel soot exhaust
- Emergency running properties in case of oil loss

Successful test-results

- **The University of Applied Sciences** in Frankfurt am Main reports 11%* reduction in fuel consumption

Fachhochschule Frankfurt am Main - University of Applied Sciences

- Approved by German Motorsport Association **DMSB** and **FIA**
- **Bosch Car Service Fetzer** in Giessen (Germany) treated a VW Sharan with REWITEC M2. Before treatment with nanocoating, the measurements showed a power rating of 77 kW, due to wear. After coating and driving 2.000 km the measurements showed a power rating of 85 kW.



Complete reports at **www.rewitec.com**

*tested in a 2002 VW Passat 1,9 TDI with a mileage of 147.700 km (applying an ECE + EUDC (EU-2) test cycle at operating state temperature)