



ANS

Applied Nano Surfaces

Press Release, 2012-03-28

Swedish ANS announces partnership with hypercar manufacturer Koenigsegg

Uppsala-based Applied Nano Surfaces (ANS) has signed a partnership with Koenigsegg to supply its patented triboconditioning technology for cylinder sleeves. The focus is to reduce friction and improve power efficiency.

The ANS technology will be introduced in the 2013 model of the Koenigsegg Agera and Agera R. The Agera R has recently broken several land speed records for production cars. It brings you from 0 to 100 in less than 3 sec and reaches the top speed of 440 km/h.

- We strongly believe in ANS technology and it matches perfectly the ambition of Koenigsegg to be in the forefront on cutting edge technologies, says Dr Thomas Johansson, Chief Engine Developer at Koenigsegg.

The ANS triboconditioningTM technology reduces friction and wear between surfaces that move against each other and helps to maximize power efficiency of the engine. In the Koenigsegg Agera, the ANS technology is used to treat the cylinder sleeves of its 1140 hp V8 engine.

- We are very proud to announce the new partnership with Koenigsegg. It proves the potential of our technology and opens opportunities to using it not only in super sports cars but also in mainstream production cars, says Mattias Karls, CEO at Applied Nano Surfaces.

One of the key features of the ANS triboconditioning technology is its simplicity and its ease of integration into existing manufacturing lines, with very little extra costs involved. Due to the versatility of the ANS triboconditioning technology, it can be used for a wide range of different applications.

- We see enormous potential to improve energy savings in a variety of components and applications like hydraulics, compressors, bearings, industrial machinery and engines. The demand for reducing friction and saving energy is increasing all the time, says Dr Boris Zhmud, CTO at Applied Nano Surfaces.

For more information, contact

*Mattias Karls, CEO
Applied Nano Surfaces Sweden AB,
Tel: +46 70 348 35 20
mattias.karls@appliednanosurfaces.com.*

*Thomas Johansson, Chief Engine Developer
Koenigsegg Automotive AB
Tel: +46 431 454460*



About ANS

Applied Nano Surfaces (ANS) offers surface treatment methods that reduces friction and wear in various mechanical systems.

The patented ANS Triboconditioning™ method improves the tribological properties of steel and cast iron components by improving the surface topography at the same time as depositing a low-friction nano composite surface layer. The result is a surface that provides excellent properties in terms of low friction and reduced wear rate. The ANS Triboconditioning™ method can be easily integrated at low cost in the existing manufacturing process.

The method can be applied to improve energy-efficiency in those application areas where friction-related energy losses are significant, e.g. in internal combustion engines, bearings, compressors, pumps, hydraulic systems, etc.

ANS has been awarded best surface coating by Frost & Sullivan in 2009 and listed as one of Sweden's 33 hottest technology companies in 2009, 2010 and 2011.

This press release (as PDF):

www.appliednanosurfaces.com/pressrelease20120328.pdf

Additional Pictures, free to publish:

<http://www.appliednanosurfaces.com/press.html>