



Sector Specific Solutions for Industrial Diesel Engines

Your Technology Specialist

simrit[®]

From our spectrum of products Simrit has the perfect solution

Innovative brand-name products from Simrit – the complete programme for industrial diesel engines

With innovative product developments and a comprehensive standard programme, Simrit covers all major components of modern diesel engines. Our solutions not only provide reliable sealing and reduce vibrations, but also improve component service life, performance and cost efficiency.

With our diesel engine expertise and know-how as specialists in seals and vibration control, acknowledged around the world, we are able to provide you with optimal solutions for all power train components.

①

Cylinder head gasket

- Reduce cylinder liner distortion
- Distribute stresses more evenly through block and head
- Permit more sealing gap movement
- Extend engine life

②

Simmerring® IWDS

Intelligent sensory function that supports efficient engine management

- Integrated sealing and encoder functions
- Robust sensor and active transmitter wheel design with precise speed and angular measurement
- Most effective PTFE seal design on the market

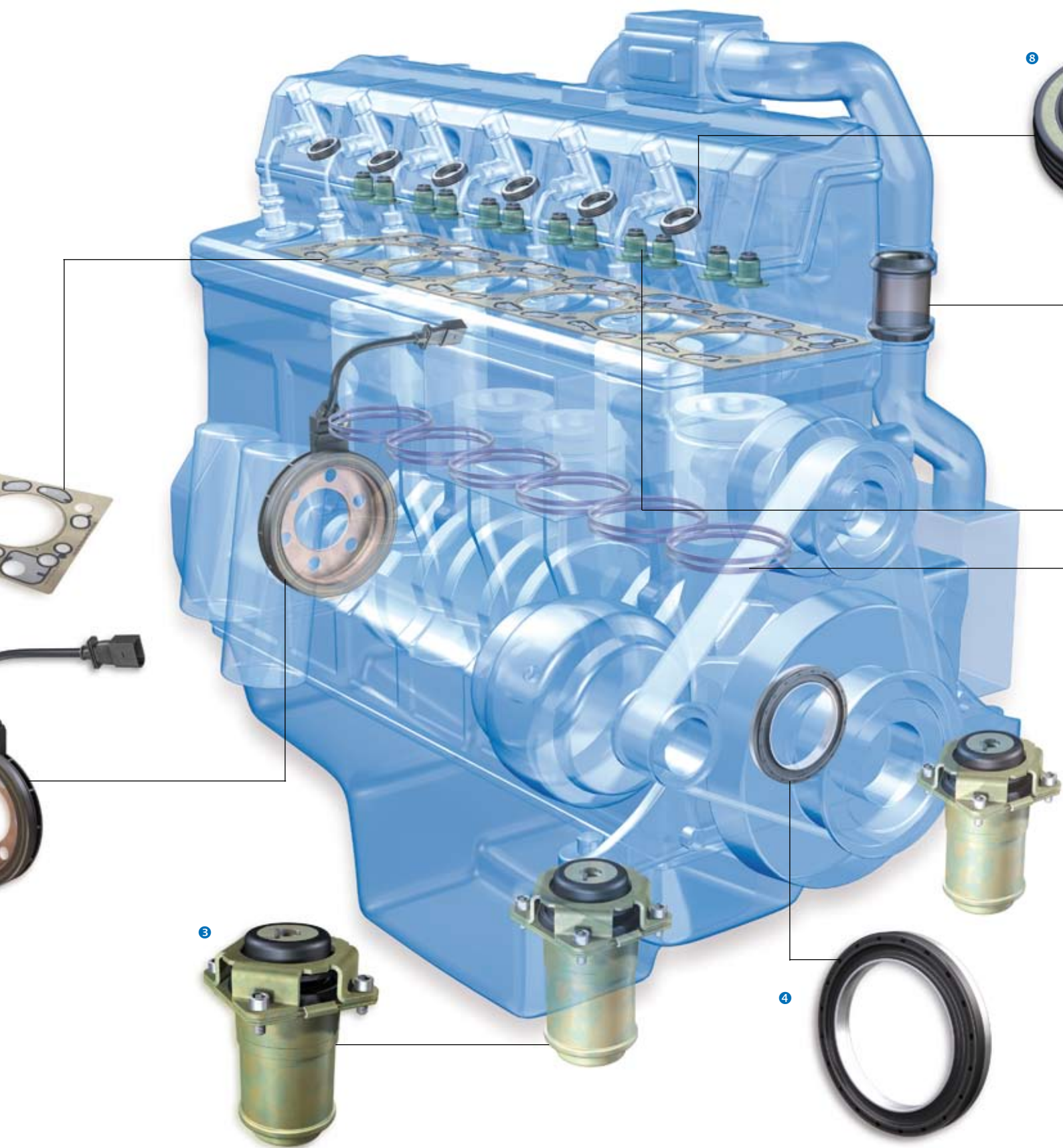
③

Hydro mount KL

Engine mounts of the highest standard

- Conform to the latest noise and vibration reduction regulations
- Optimum isolation and damping of high and low frequency vibrations
- Great flexibility for individual applications







4

Simmerring® Cassette Seal Casco

The new Simmerring generation with an optimised design

- Long-lasting performance
- Hardening and grinding of shaft unnecessary
- High reliability during handling and installation
- Unique friction reduction

7



5

Coated ISC O-Ring

Elastomer seals for wet cylinder liners with optimal surface characteristics

- Simple, twist-free installation due to surface coating
- Avoid the risk of damaging the O-Ring during installation
- Shorter installation time, less follow-up work, reduced wear

6



6

Valve stem seals

Outstanding seals especially designed for diesel engines with turbocharger and particle filter

- Minimize and control lubricant overflow
- Reduce valve stem wear
- Increase component performance and life

5



7

Plug & Seal

Housing/piping connectors with excellent sealing qualities

- Reliable sealing performance even at high pressure
- Balance centre/axial offset in housing
- Simple, reliable and cost-efficient installation

8

Injector seals

Innovative sealing solution for guiding the injector pipe through the cam cover

- Maintenance-free sealing solution
- Adaptability due to flexible design
- High degree of radial deflection
- Simple and reliable installation



Our expertise and experience reliably safeguards your engine technology

With their wide range of applications, large diesel engines depend on reliable components that continue operating even under the most adverse conditions.

Whether in ships, construction equipment, farming machinery, or in stationary applications, Simrit seals and vibration control products guarantee faultless operation of diesel engines right down to the smallest part. At the same time, they provide for increased, long-term performance and cost efficiency. With its leading seal and vibration control programme for the entire engine sector, Simrit provides innovative products that reflect the latest technological

developments in diesel engine systems. You receive the optimal solution for any power plant from a single source. Anywhere in the world.

Our task: greater cost efficiency and performance

The solution: Through its policy of continuous development and maintaining in depth market knowledge, Simrit has developed solutions that optimally support the operation of modern diesel power plants. The result is longer service life, greater performance and improved cost efficiency – with all of the advantages that Simrit offers you as an innovative, globally active specialist in seals and vibration control.

A step ahead in emissions reduction

Simrit sets the standard in research and development and offers solutions today for tomorrow's technological demands. For example, new generation diesel engines must meet far-reaching emission reduction regulations (Euro 5 emission standard). With Simrit seal components, combustion systems can be optimised in anticipation of regulatory developments.

www.simrit.com

Simrit Americas

Plymouth, Michigan, USA
Tel: +1 (866) 274 6748
Fax: +1 (734) 354 5500
E-mail: information@simrit.us

Simrit Europe

Weinheim, Germany
Tel: +49 (0) 18 05 - 74 67 48
Fax: +49 (0) 18 03 - 74 67 48
E-mail: info@simrit.de

Simrit China

Shanghai, China
Tel: +86 (21) 50 36 - 69 00
Fax: +86 (21) 50 36 - 63 07
E-mail: simrit@nfgc.com.cn

simrit[®]