In most regions of the world, automotive emission and fuel consumption legislation are tightening. Often smaller engines with higher performance are called upon to meet these legislative changes. Downsized engines, accompanied by high performance turbochargers require materials and parts to perform at their limits regarding wear-, heat- and corrosion-resistance.

Stellite[™] and Tribaloy[™] Alloys enable you to lift those levels up to where you need them. Use them in form of coatings and casted parts to help you achieve this excelled performance with smaller engines through improved component technology, and surface application of our materials – which increase fuel efficiency and component lifetime.

Solid Stellite[™] & Tribaloy[™] components are found in turbochargers and EGR bushes while Stellite[™] & Tribaloy[™] coatings are used to protect the sealing surface of engine valves and surfaces of EGR shafts.

Higher performance and extended engine lifetime – possible with Stellite[™] and Tribaloy[™] components and coatings



For more information or inquiries, please contact:

Deloro Wear Solutions GmbH Zur Bergpflege 51-53 | D-56070 Koblenz Tel.: +49 261 8088 0 | Fax: +49 261 8088 35 E-mail: auto@deloro.com

Your source for reliable Wear Solutions that ensure productivity

Deloro Group is dedicated to providing superior and reliable solutions for Wear and Corrosion Protection. When you partner with Deloro, you can expect cost-optimized solutions that will enhance and extend the life of your machinery/parts.



Offering Bespoke Components, Coating Services, Consumables and Equipment

Deloro

Offering HIP Process for

re-densification.

near net shape

and bi-metallic

components

Deloro Coatings

coating services utilizing a wide range of cobalt, nickel, and iron-based alloys as well as tungsten carbide



Leading manufacturing services provider for highly-demanding air- and vacuum-cast super alloy investment castings



FUEL EFFICIENCY & HIGH PERFORMANCE

Common casted components are:



bushes

washers



valve seat rings

Common coated components are:



valve seat rings

shafts, e.g. for EGR

DEMANDS

Materials and components to perform at their limits regarding wear, corrosion & heat resistance up to 900 °C and beyond.

Mechanical endurance for extended lifetime.

DRIVERS

- Downsizing
- Fuel efficiency and emission limits
- High performance
- Durability
- Lifetime
- Low maintenance
- · High temperature, corrosion and wear

SOLUTIONS

Stellite[™] Alloys and Tribaloy[™] enable you to achive this excelled performance as castings or coatings.

TECHNOLOGIES

- Sand casting
- Investment casting
- Resin shell casting
- Centrifugal casting
- HVOF Thermal spraying
- Plasma Transferred Arc (PTA)

SIZE & GEOMETRY

Sizes are generally only limited by the process technology employed. We will help you find the solution that fits your needs

COMPONENTS

Employ our castings as seatrings, seals, bearings, bushes, washers, spacers, actuators and our coatings on valves, seatrings, pistons and shafts.

APPLICATIONS

- Turbochargers
- Exhaust gas recirculation systems (EGR)
- Damper valves
- Engine brakes
- Valvetrain
- Pistons

CERTIFICATIONS

- ISO 9001
- ISO TS 16949
- ISO 50001
- VDA 6.3