

RECONDITIONED PISTON HEAD



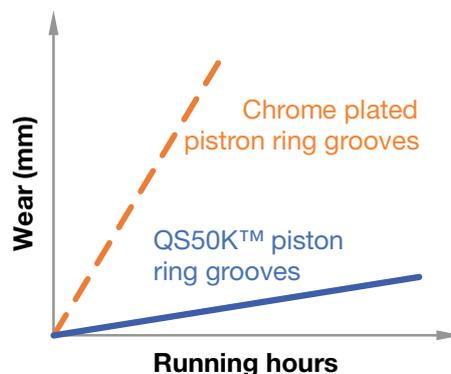
The introduction of robotized welding technologies has opened a new chapter in the reconditioning of marine spare parts. The latest innovation offers a vast range of advantages for the servicing of low-speed two-stroke piston heads.

QS50K™ TECHNOLOGY

The QS50K™ coating is an advancement of the existing automated welding. The new method developed by the Wärtsilä technology group has a striking number of advantages:

- **Significant cost savings** thanks to reduced wear and thereby longer component lifetime
- **Reduced engine downtimes** thanks to longer lifetimes
- **Smaller environmental footprint** in comparison to conventional procedures

The procedure is used when adding material to both the upper and the under side of the piston head, as well as the piston ring grooves of low-speed two-stroke diesel engines.



LESS THAN HALF WEAR

The key feature of the QS50K™ technology is the minimized wear on piston ring grooves.

Whereas chrome plated ring grooves need to be inspected every 18,000-24,000 hrs, piston heads with the new technology applied are expected to last for a significantly longer lifespan!

SHORTER LEAD TIME

Thanks to an industrialized approach, the reconditioning with welding robots is very fast. A full reconditioning can be done within one week!



MORE ENVIRONMENTALLY FRIENDLY

The QS50K™ uses no chrome plating at all, as this is to be banned in the European Union. As a result, the environmental footprint is much smaller and hazardous work conditions are avoided.

FIRST CLASS SERVICE

All QuantiServ reconditioning solutions are available with a long list of benefits:

- **Available as two options:**
 - As reconditioning service for renewing the customer's own parts
 - As exchange parts, ready in stock for immediate expediting
- **Global logistics services** for more than six worldwide stock locations, allowing the shipping of used and reconditioned parts
- **Highest quality standard** with 2-year guarantee, class certificates on request

PROVEN BY FIELD TESTS

Extensive field testing of piston heads reconditioned with the QS50k™ procedure proved the extraordinary high durability of the respective piston heads.

SOON AVAILABLE GLOBALLY

The QS50k™ technology is currently available in Europe (the Netherlands) and will soon also be available in our workshops in Shanghai and Singapore.

APPLICABLE RANGE

For all low-speed two-stroke diesel engines of any brand.



QuantiServ offers specialised, fast and reliable support, maintenance and repair services for customers operating equipment of multiple brands, both in the marine and energy sector.

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