

**Bordignon Silvano S.p.A.**

Zona Industriale  
38055 Grigno

Italy

**Your Order/ Your Sign:**      **Order dated 2007/03/01**  
**TÜV-Job-no.:**                      **973 / 070245 - A**  
**Object:**                              **Piston according to drawing in appendix A**

Ladies and Gentlemen,

it is herewith certified, that the calculational check of the piston (Appendix A) showed a fatigue durable construction.

The calculations were carried out using the finite element method. The stress evaluation was carried out on the basis of the technical bulletin AD 2000-S2 - Edition 10.04 respectively on the basis of the FKM-Richtlinie.

Detailed information can be taken from the calculation report 973 / 070245 - A.

Herewith the calculation report and the corresponding item of written comment numbered 973 / 070245 become void.

TÜV Rheinland Industrie Service GmbH  
Design Review

i.V.

  
Dr.-Ing. Peter Guntermann

i.A.

  
Dr.-Ing. Mathias Neuhaus

TÜV Rheinland Industrie  
Service GmbH  
Bereich Energiesysteme

Am Grauen Stein  
51105 Köln

Tel. 0221/806-0  
Fax 0221/806-114  
Mail TuevAt@de.tuv.com  
Web <http://www.tuv.com>

Geschäftsführung

Rose-Linde Delliehausen  
Dipl.-Ing. Peter Tolls

Köln HRB 26876

Appendix

*Appendix A: Technical drawing of the calculated piston*

