



Industrie Service

**Choose certainty.
Add value.**

Everything Revolving Around Turbines ...

A Product Information Sheet by the Energy and Technology Business Area

We are almost unequalled in offering all turbine-related services from a single source, independent of manufacturer recommendations or insurance regulations. TÜV SÜD has experience with power generation installations of all owners/operators and manufacturers and, taking the economic situation into account, has assisted you with the design and development, installation and operation of stationary gas, water and steam turbines for decades as your expert and impartial partner. Take a look at our wide range of services.

Our services

- Assessment of compliance with relevant international regulations such as the European Machinery Directive 2006/42/EC (CE Declaration of Conformity) and assessment of the safety integrity level (SIL)
- Auditing of manufacturers and suppliers
- Optimisation of cost and energy efficiency
- Quality testing and assurance during manufacturing
- Verification of structural analysis

- Third party inspection at the manufacturer
- Monitoring of installation and assembly
- Support during commissioning
- Consulting services for maintenance and modification
- Vibration and performance measurement
- Fluid dynamics and thermal hydraulic analysis
- Material and EDX analysis
- Selection of monitoring systems for early failure detection/machine diagnosis
- Strength and fatigue life analysis
- Root cause failure analysis
- Third-party damage assessment, also for expert determination or appraisal

Your benefits

- ▶ Manufacturer-independent consultancy
- ▶ Ensuring the required manufacturing quality and functioning
- ▶ Improved operational safety, availability and efficiency
- ▶ Identification of potential for savings
- ▶ Reduced life-cycle costs
- ▶ Short approval times

TÜV SÜD Industrie Service GmbH

TÜV®



Industrie Service



www.tuev-sued.com/is

As your independent partner, we develop plans customised to your needs and thus improve your company's efficiency. We also assist you in the event of damage. Ensuring prompt and systematic identification of damage, we help you to reduce downtime and take appropriate actions to prevent recurrence of the problem.

We offer turbine manufacturers, plant engineers, owners/operators and insurance companies the possibility of consulting our experienced turbine specialists for expert

determination or appraisal and benefit from the additional support of our legal department. This service helps to prevent lengthy and costly court proceedings between disputing parties.

Opt for a partner offering impartiality and technical expertise from a single source. We will be happy to advise you in more detail. Call us!

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