

PRACTICAL MECHANICAL REPARATION TRAINING ON SUBMERSIBLE MOTORS**Training aims:**

Analyse the conditions of a damaged submersible motor. Learn to use properly the measuring instruments to check the tolerances in order to do an effective reparation. You will learn the basic processes to refurbish the rotor and its supports. The course will also analyse the complete thrust bearing damage. The course is mainly theoretical.

Contents:***Measuring instruments and equipments:***

This part has the aim of showing the use of measuring equipments which are both of normal use in the field of mechanics and specific as concerning submersible motors. Besides we will show some monitoring outfits built during the training.

Machines and workshop outfits

During the course participants, with the supervision of our technical staff, will use different machines and outfits by showing the main characteristics in order to direct participants to possible purchases.

Reparation of the submersible motor

After a complete analysis of the damaged component, we will face the following case history to refurbish it :

Refurbishing rotor centres

- Checks before machining
- Machining

Replacement of rotor sleeves

- Checks before machining
- Machining

Brackets refurbishing

- Checks before machining
- Machining

Replacement of bronze bushing into bracket

- Checks before machining
- Machining

Complete thrust bearing analysis

Theory on complete thrust bearing operation.

Practising: from the failure analysis to motor reparation



- Participants:** Specialized workshops, dealers, electrical motors trouble-shooters, supervisors and technicians of system operation, technical assistants
- Training duration:** 5 days
- Dates:** **15÷19/03/2010**
- Location:** Training Centre SWM - Rubiera (RE)
Via Mantegna 6
- Speakers:** Oscar Franchini (Tutor on theory and practical)
Marco Greco (Reparation Department Manager)
Fabrizio Rossi (Machine Tool Operation Manager)
- Cost:** **900,00 Euros**
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