VENTUM ACADEMY

GEARBOX AND MAIN SHAFT INSPECTION

DESCRIPTION

At Ventum Academy we reinvent high-level training through a series of advanced courses to equip those professionals responsible for mechanical-hydraulic operations with the knowledge, skills and real experiences of high added value and great technical complexity.

* To access this training at Ventum Academy it is an essential requirement to complete the four BST modules according to the GWO standard.

** For this training it will also be necessary to have basic technical training according to the BTT standard, mechanical qualification or to accredit two years of experience in maintenance in the wind sector.

OBJECTIVES

In this course, participants will be able to perform the complete inspection of the gearbox and the main shaft. Learning the use and handling of video endoscope for inspection. Learning to identify the damage on gears and bearings, as well as their interpretation and categorization based on their typology and severity.

CONTENT

- Detailed description of the different types of gearboxes, parallel, planetary combined or full planetary system.
- Description of the elements and accessories of the gearbox.
- Description of the different types of gears, contact zones, manufacturing processes and adjustments.
- Description of the different types of bearings, by models, typology and surface treatments.
- Gear damage and fault typology based on American Gear Manufacture Association AGMA.
- Typology of damage and failure in bearings based on different bearing manufacturers instructions.

PRERREQUISITES
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GWO BST FOR ALL FORMATIONS

Mechanical qualification + GWO BTT course or Mechanical qualification + 2 years of experience on maintenance on wind turbines

- Theoretical training hours: 2 days
- Practical training hours: 3 days
- Total duration hours: 5 days
- N° of participants: 4
- Price per participant: 5200€
- Price per participant with full capacity of course: 3900€

GRUPO INERZIA