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TECHNOLOGY OF BEARINGS UNITS



TARGET AUDIENCE

Maintenance technicians of running gear (rolling stock).



GOALS

- Locate and understand the operating principle of running gear;
- Know the monitoring pattern of an axle and carry out dimensional readings.



PREREQUISITES

Visual acuity checked, have a technology mechanical degree or equivalent, with minimal experience of 6 months in the field.



EDUCATIONAL MODALITIES

Exercises, practical work (measurements), group work and exchange of good practices ...



DURATION: 4,5 Days



PROGRAM

- Locate and understand the role of the various stakeholders in the axle maintenance;
- Understand the different roles of the axle under the vehicle and the resulting constraints;
- Understand the role of each of the constituent elements of a gear box and know the different types of axles, wheels, boxes and their components;
- Understand the general structure of the documents (axle maintenance);
- Carry out dimensional readings of an axle using the measuring equipment: internal face gap gauge, device for measuring the profile comparator;
- Have basic knowledge of metrology;
- Describe the monitoring framework of an axle
- Understand the reasons for quality management for running gear.

• **Level 2 assessment:** Assessment of skills acquired at the end of training ➔ **Yes**