

M11 / GIRTH GEAR & PINION STATIC INSPECTION

This module is essential if you are experiencing problems such as

- ✔ Shock during gearing
- ✔ Gear damages
- ✔ Breakage or cracking of Spring plates
- ✔ Pinion shaft breakage
- ✔ Bearing damages

The ADR approach

Audit

Checking the mechanical and geometric condition of the Girth gear and pinion assembly.

Diagnosis

Assessment of the mechanical and geometric condition of the Girth gear & Pinion

Recommendation

Definition of adjustment operations and corrective actions

Assessing gear adjustment and wear

A Synthetic and illustrated dashboard:

- ✔ Root clearance
- ✔ Tooth bottoms
- ✔ Out of true
- ✔ Hardness
- ✔ Wear of the active flanks

Deliverable

- ✔ A detailed inspection report
- ✔ A recommendation report
- ✔ A debriefing

Modules to be associated:

M4 Mechanical Condition
M5 Mechanical Alignment

Details of execution

- ✔ Machine shut down and locked out
- ✔ 1 day on the site

Customer responsibility

- ✔ 220-V electrical power supply
- ✔ Possibility of rotation
- ✔ Opening and closing of inspection doors