

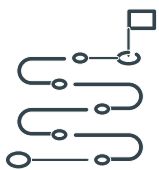
SERVICE FOCUS

FIELD SERVICE INSPECTIONS

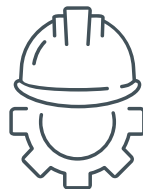


Routine Inspections for Maximum Efficiency

You've made a significant investment with a world-class industrial gear unit from SEW-EURODRIVE. Ensure precision and reliability with routine inspections by SEW-EURODRIVE trained technicians.



Sustain Peak Performance



Protect Safety Standards



Keep Processes Moving

➤ **PRELIMINARY INSPECTION**

Safety Precautions

- Ensure gear drive and related machinery are powered off and isolated
- Follow lockout/tagout procedures
- Wear appropriate personal protective equipment (PPE)

Visual Inspection

- Check for signs of external damage like cracks, corrosion, or deformation
- Inspect housing for leaks or seepage
- Verify all guards and covers are securely in place

Environmental Check

- Ensure gear unit is not exposed to excessive dust, moisture, or corrosive fumes
- Check the ambient temperature to ensure it is within operational limits

➤ **MECHANICAL INSPECTION**

Mounting and Alignment

- Verify all bolts, mounts, and structures supporting the gear unit are secure and undamaged
- Check alignment with connected equipment

Shafts and Couplings

- Inspect shafts for straight alignment and surface integrity
- Examine couplings for wear and proper alignment

Gears and Bearings

- Check gears for wear, chipping, and correct clearance
- Inspect bearings for noise, vibration, and smooth rotation
- Assess lubrication levels and quality in bearings and gear meshes

➤ **INSTRUMENTATION AND CONTROLS**

Sensor and Control Functionality

- Test operational sensors and control systems for accuracy and responsiveness
- Ensure all alarms and shutdown systems are functional

Documentation and Records

- Update maintenance logs with findings from inspection
- Note any discrepancies or signs of wear that may require future action

➤ **OPERATIONAL INSPECTION**

Operational Test (If possible)

- Run the gear unit at low speed
- Listen for unusual noises such as grinding, knocking, or whining
- Feel for excessive vibration or heat emanation

Leakage and Seals

- Check for oil leaks around seals, shafts, and flanges
- Inspect seals for deterioration or damage

Lubrication System

- Verify the correct type and level of lubricant
- Check for signs of oil contamination like discoloration or unusual odors
- Inspect lubricant filters and breathers for blockages or dirt accumulation

➤ **POST-INSPECTION**

Recommendations and Reporting

- Prepare a detailed report of all findings, including potential risks and recommendations for repairs or adjustments
- Schedule necessary repairs or preventive maintenance based on the inspection results

Clean-Up

- Ensure the area around gear unit is clean and free of any inspection tools or debris.
- Reapply safety guards and prepare unit for operation

Ready to start?

Scan QR code to start a service request



Or call 888-739-3876

COMPLETE SERVICE SOLUTIONS: INSPECTION • MAINTENANCE • REPAIR • REPLACEMENT