

General Overhaul



Give your hoist a new lease on life

Machinery components experience fatigue and wear-and-tear whenever a crane is working. As time passes, the theoretical service life of a hoist unit decreases, and the wear on components could result in certain hazards.

Regulations require that power-driven rope and chain hoists, as well as crane hoist units, be taken out of operation when the theoretical duration of service has elapsed—unless a general overhaul is carried out to allow further use of the equipment.

A general overhaul should be performed on hoists when the remaining Safe Working Period (SWP) is less than 10%. If you are not able to determine the remaining SWP for your hoist unit then a special assessment should be carried out after 10 years of service life to determine if the hoist is a candidate for an overhaul.

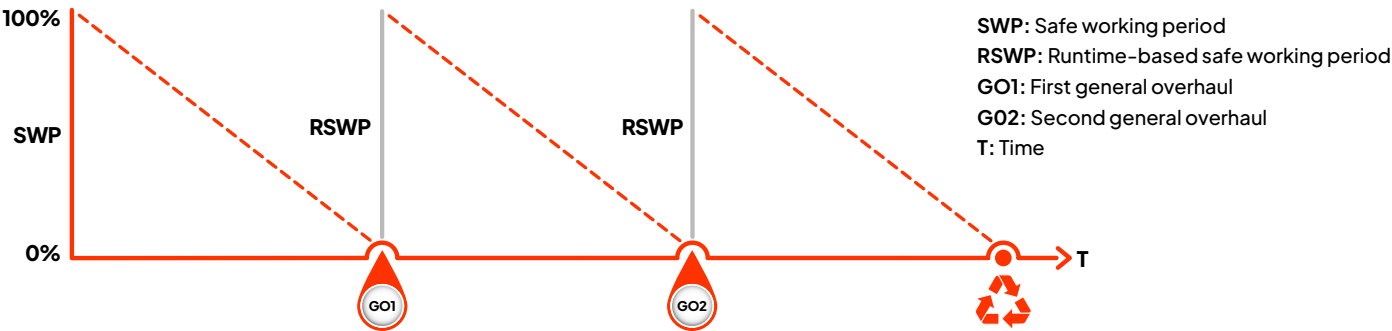
A calculation of the remaining SWP should be carried out on a regular basis. There are several ways to determine when a general overhaul should be performed:

- Hoists equipped with a condition monitoring unit can read the SWP on the display.
- Hoists with TRUCONNECT Remote Monitoring can see the remaining hoist design working period on the Konecranes Portal.
- Conducting a Design Life Analysis will give you an estimate of the limit for safe operational life to help plan for general overhauls.



➔ Benefits of a General Overhaul

- Satisfies regulatory requirements helping you stay compliant.
- Helps maintain equipment performance and availability.
- Helps increase safety and reduce downtime by replacing parts before they wear out and thereby contribute to equipment failures.
- Can help reduce unplanned downtime.
- Genuine spare parts help provide the same quality level as a new hoist.
- Can be coordinated around your production schedule.



Konecranes General Overhaul

A Konecranes General Overhaul (GO) can be performed on Konecranes CXT hoists as well as other hoist makes and models. The GO includes a complete package of genuine parts that must be replaced during a GO. A Konecranes Service technician will also check the other components of the hoist and suggest repair or replacement as needed.

The hoist will be fully tested according to regulations and the GO is documented in the hoist test and inspection booklet. After an overhaul is performed, the hoist is considered technically as good as a new one and it is assigned a new SWP.

As part of the general overhaul for CXT hoists, the following parts must always be replaced and are included in the package:

- Drum bearings and locking parts
- Hoist brake
- Second brake when applicable
- Hoisting gearbox
- Hoist coupling
- Motor bearings
- Hook and load bearing parts
- Hoisting limit switch
- Swiveling screw rods when applicable
- Hoisting contactors

Repair Centre or on-site

Konecranes Repair Centre

- Fast turnaround times: Three to five working days without transport.
- Availability of spare parts.
- Documented load tests include 125% test load.
- Re-painting.
- Scrapping of the replaced parts.
- Additional inspection on the condition of all hoist components, including a detailed report and offer for necessary repairs.
- Additional necessary repairs can be performed at the same time as the overhaul.

On-site by a Konecranes specialist

- Minimum downtime for the installation.
- The time frame for carrying out the overhaul can be determined by your schedule.
- A direct local contact.



Konecranes is a global leader in material handling solutions, serving a broad range of customers across multiple industries. We consistently set the industry benchmark, from everyday improvements to the breakthroughs at moments that matter most, because we know we can always find a safer, more productive and sustainable way. That's why, with around 16,600 professionals in over 50 countries, Konecranes is trusted every day to lift, handle and move what the world needs. In 2023, Group sales totaled EUR 4.0 billion. Konecranes shares are listed on Nasdaq Helsinki (symbol: KCR).

© 2024 Konecranes. All rights reserved. 'Konecranes,' 'Moves what matters' and  are either registered trademarks or trademarks of Konecranes.

This publication is for general informational purposes only. Konecranes reserves the right at any time, without notice, to alter or discontinue the products and/or specifications referenced herein. This publication creates no warranty on the part of Konecranes, express or implied, including but not limited to any implied warranty or merchantability or fitness for a particular purpose.

KONECRANES Moves what matters.