

A Leading Construction Equipment Manufacturer QUALITY PARTS AND PRECISE ENGINEERING ELIMINATE DOWN TIME

CHALLENGE

Quality and productivity

In the Midwest, a leading construction equipment manufacturer produces medium speed diesel engines for electric power, locomotive and industrial applications. As an integral part of the manufacturing process, machine tools are used to bore holes and provide smooth finishes to the engines.

One of their critical machine tools contained outdated controls, motors and drive amplifiers. The aged components caused control-related failures that stalled production at the facility. Every moment the critical machine remained out of service cost the facility expensive amounts of down time. The machine needed to be updated with more reliable components in order to meet the projected customer demands.



SOLUTION

Collaborative repairs with the OEM

A collaborative effort was needed to ensure the best results in the shortest amount of time. The construction equipment manufacturer needed a supplier with a comprehensive range of technical experience that could effectively work in concert with the original equipment manufacturer (OEM) and the in-house repair team to make the necessary repairs and improvements.

Konecranes Machine Tool Service (MTS) was selected due to their unique skill sets and access to a comprehensive supply chain for spare parts. Konecranes MTS calibration technicians were able to optimize the machine's geometry and positioning using Hamar and Renishaw laser systems.

RESULTS

Downtime brought under control, quality increased

Konecranes MTS Service Engineers eliminated the down time caused by the aged machine tool components. The mechanical and geometrical repairs that Konecranes MTS made increased the quality of parts the facility produces. The collaborative effort with the in-house repair team and the OEM decreased the amount of time required for the machine to be put back into production. Based on the success of this project, Konecranes MTS will continue to work alongside the customer on all future shut down projects.



PRODUCTS & SERVICES



INDUSTRIAL CRANES: Konecranes is the industry benchmark for safety, reliability, cost saving and productivity-enhancing innovation. Standard and heavy duty cranes include electric overhead cranes up to 1,000+ tons and explosion-proof cranes and components. Workstation lifting systems feature enhanced material flow with ceiling-mounted monorails and free standing cranes systems, jib cranes and manual lifting products and electric chain hoist up to 7500 kg. Konecranes provides any lifting application in any industry.



NUCLEAR CRANES: With nearly a half century of nuclear crane experience Konecranes is the most seasoned supplier in the industry. Our wide range of products are designed specifically for operation in nuclear applications and our quality control program ensures that each nuclear crane and component is designed, manufactured and installed to the demanding standards of the nuclear industry.



PORT AND PORTAL CRANES & SERVICE: Konecranes designs, manufactures, and delivers large cranes for ports, container terminals, intermodal terminals, shipyards and bulk material handling. We also provide expert maintenance and after-sale support as well as complete crane service worldwide for all types and makes of harbor and shipyard cranes.



HEAVY-DUTY LIFT TRUCKS: Konecranes is a world-leading manufacturer of lift trucks with lifting capacities of 10 to 80 tons. For over 50 years Konecranes has designed and customized trucks for the most demanding applications and continues to offer a wide range of trucks for customers in many different industries. Products include fork lifts, reach stackers, container handlers, and Roll-on Roll-off (RoRo) Trucks.



CRANE SERVICE: Konecranes provides an extensive range of services and unique capabilities dedicated to improving safety and helping your business decrease the cost of downtime and increase the productivity of uptime. We can service any brand of crane and hoist. As a leading global manufacturer with a 120-year history and the leading maintenance provider in the Americas and around the globe, Konecranes technicians understand what it takes to keep your equipment working at top performance.



MACHINE TOOL SERVICE: As a global leader in machine tool maintenance service, Konecranes offers world-class service on all makes and models of machine tool equipment. From maintenance programs to rebuild, remanufacture and retrofit, we have the knowledge and expertise required to keep your equipment running effectively and efficiently.



PARTS: Konecranes is the OEM for many of the best known brands of hoists and cranes as well as the largest single source supplier for parts of all makes. We have the most extensive inventory in the industry, as well as dedicated in-house parts manufacturing and extensive reverse engineering services to assist you with obsolete and/or not readily available parts. Our expert technicians are always available to help with field installation and support.



TRAINING: One of the easiest and most cost effective ways to improve safety and productivity while reducing maintenance costs is crane operator training. We can provide on-site training that is tailored to your needs, budget and schedule. In addition you will improve employee morale, generate good will and may reduce liability. We also offer courses at our Training Institutes in Milwaukee and Los Angeles as well as regional seminars in 40 cities per year.