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Bayerische Oberlandbahn: General inspection of 17 trains

Back on the rails on schedule

Every six to eight years, German railway operators have to carry out a mandatory general inspection. For this, by 2016 Bayerische Oberlandbahn (BOB) will completely disassemble a total of 17 vehicles, overhaul their main components and replace their worn parts. As an original component manufacturer, Bosch Rexroth is carrying out the overhaul of all of the hydraulic components of the Integral series passenger trains.

Timetables accurate to the minute, high passenger, commuter and leisure traffic volumes: When heavily used passenger trains have to be withdrawn for a general inspection, everything has to be done quickly. When trains are taken out of order and detached into separate parts, the lead-time for each train in the BOB railway operations in Lengries takes only six weeks.

Perfectly equipped for precision work

Each Integral train is equipped with eight articulated cylinders as well as two plunger cylinders. BOB sends all of the hydraulic components, including the pumps and motors to Pasching, where they are tested, modernized and finally accepted. The Rexroth team is equipped with special tools, powerful software and dependable testing devices. Thanks to the REMAN ("Remanufacturing") program which was developed in-house, fast availability of key components is guaranteed.

Quality from the original manufacturer

As the original manufacturer, Bosch Rexroth has access to the setting data from the initial delivery. This data or the data according to the customer's requirements is set during a test run after each service. Repaired components fulfill the same stringent test conditions as new series-production components. All work is documented and acceptance certificates are produced for safety-relevant components. BOB benefits from ultimate safety over the entire life cycle of the product, with Bosch Rexroth as a dependable partner. Thanks to precise planning and detailed coordination, the trains are back on the rails on schedule.

Ingenious solution

The Rexroth Service Center in Pasching is equipped with special tools, powerful software and dependable test devices.

System running

Inspection, modernization and acceptance of the hydraulic components from 17 Integral series passenger trains.



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Solved with

Specialized technicians and the REMAN program developed by Rexroth for the fast availability of key components.