

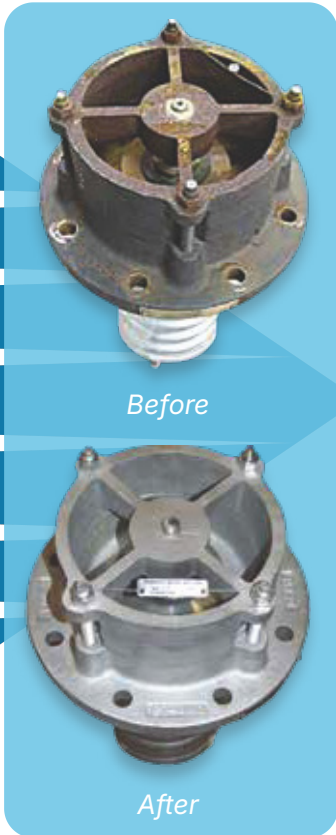


MIDLAND 
PART OF OPW a **DOVER** company

VALVE REMANUFACTURING & REPAIR PROGRAM

Midland's Valve Remanufacturing & Repair Program – The next step in providing Total Life Cycle Support and Management for your Tank-Car Valves

With Midland's Remanufacturing & Repair Program, you're assured OEM quality and care to perfectly restore Midland tank-car valves. Our customers now have more choices than ever and they rely on Midland's premier service support system to save them money, time and headaches.



NOBODY KNOWS TANK-CAR VALVES LIKE MIDLAND

Railcar valves can be sent to Midland's Valve Remanufacturing & Repair Program in either Skokie, IL, or Houston, TX. Each valve is subjected to a rigorous inspection by skilled technicians utilizing strict quality control measurements.

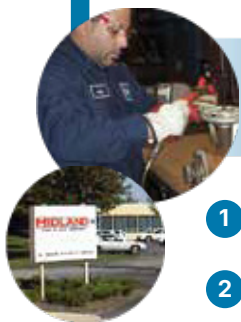
During inspection, serial numbers are documented and the service and repair history of the valve is updated. Shippers and car owners appreciate the value of this data when they are evaluating tank re-qualifications to the maximum 10-year cycle or when they need concrete evidence of service expectancy for their industry.

Each remanufactured valve is issued a new warranty with the same industry-leading support that's made Midland a leader in rail tank-car valves for more than 60 years.

UPGRADE TO THE LATEST PRODUCTION STANDARDS AND SPECS

The high-quality components used to manufacture the original valve are used in remanufacturing. In most cases, your remanufactured valve is brought to current production standards and specifications for optimum performance and improved reliability. Product improvements for your specific application can also be incorporated during the remanufacturing process to extend the service life of your equipment. Standard repair service for all brands of valves includes testing, cleaning, inspection, replacing standard soft items (e.g., gaskets), data collection, assembly and final testing.

THE MIDLAND VALVE REMANUFACTURING & REPAIR PROGRAM PROCESS



Disassembly & Cleaning

- 1** A Return Material Authorization (RMA) number is issued by Midland
- 2** The valve is returned to Midland Manufacturing



Inspection & Evaluation

- 3** Serial numbers are logged to maintain the valve's historical records, including service time and returned condition
- 4** The valve is disassembled and cleaned
- 5** The valve is inspected and evaluated, adhering to strict criteria set by Midland
- 6** Valve condition data is captured and recorded by valve serial number



THE COMPLETE SOLUTION

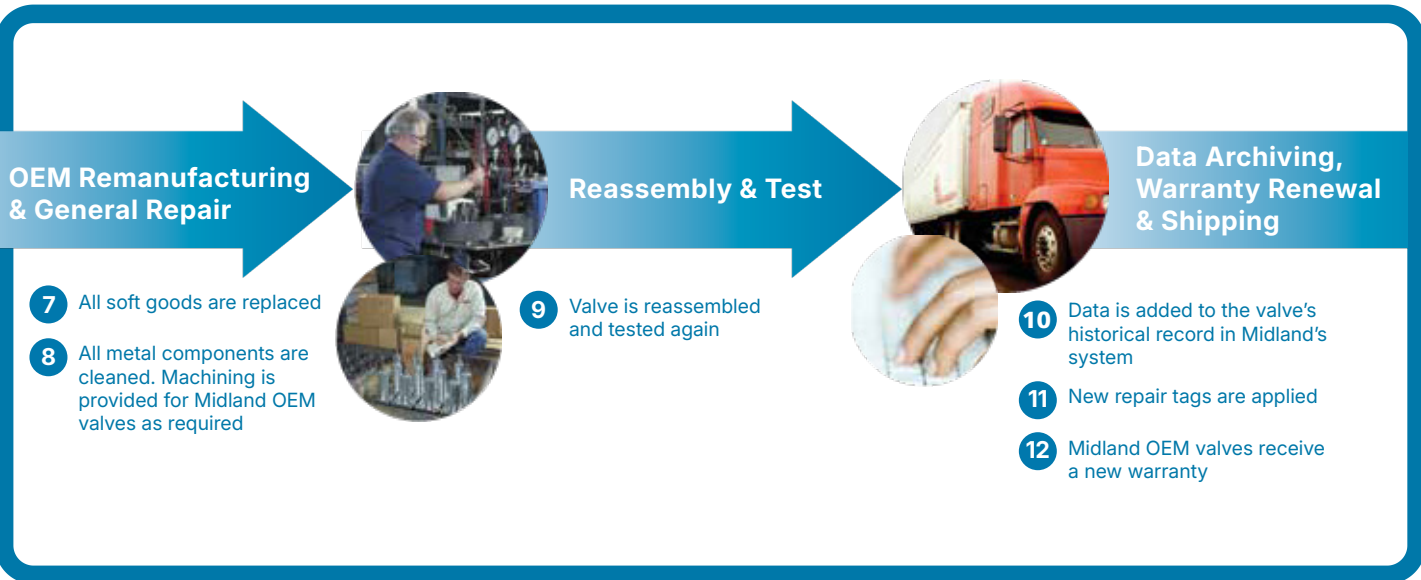
Midland does more than just offer a “repair program.” Midland continuously collects general industry and specific application data of railcar valves. This information allows insight for future product developments and is part of Midland’s custom consultative approach for optimizing valve service intervals - no matter the commodity you transport.



Midland Manufacturing’s Valve Remanufacturing & Repair Program Helps Clients Reach New Heights

CASE STUDY

- Location:** New Jersey, USA
- Challenge:** Develop a cost-effective and measurable maintenance program for railcars with pressure relief valves.
- Solutions:** Midland’s Valve Remanufacturing & Repair Program provided performance data on used valves to help establish a 5-year valve maintenance and requalification cycle that is ideal for the client and ensures safe handling of the commodity.



FROM PURCHASE TO SERVICE, MIDLAND IS THE COMPLETE SOLUTION FOR YOUR TANK-CAR VALVES



STATE-OF-THE-ART REMANUFACTURING AND REPAIR FACILITIES

To help ensure that your equipment is operating at peak efficiency and reliability at all times, Midland has developed a proprietary Valve Remanufacturing & Repair Program with strategic locations in Skokie, IL and Houston, TX.

CUSTOMIZED CONSULTATIVE APPROACH

Midland recognizes that a fleet of railcars is not homogeneous. From the overall condition to the age of the tank cars, Midland reviews each customer's needs individually to ensure you receive the best solution to keep your fleet on-track.

- Customers achieve more uptime
- Better utilization of personnel
- Improved bottom-line optimization
- Optimized safety
- Peace of mind

**Call Midland Manufacturing today to help get your
assets back on track: 1 (847) 677-0333.**