

HYDRAULIC REPAIR SERVICES



HYDRAULICS / MACHINING / WELDING / CHROMING / MORE

866.671.0114 / www.CarterMachinery.com

Carter



LET'S GET
TO WORK.®

YOUR ONE STOP HYDRAULIC SHOP

At Carter Machinery, our dedicated hydraulic shops provide a wide range of capabilities, from simple repair to full rebuild. Whether for earthmoving machines or industrial equipment, we are equipped to repair your hydraulic systems, no matter the manufacturer brand or component size.

We employ the latest in equipment and tooling throughout our hydraulic facilities, allowing our technicians to complete your repairs with the highest degree of accuracy in a timely manner. By performing all services in-house, we are involved throughout the entire process, from disassembly to complete reassembly.

Our certified technicians work in multiple shifts – both in the shop and field – to provide full-service repair solutions for our customers. Whether you need component pick-up, troubleshooting, installation, or removal, our dedicated team of experts do it all. When it comes to hydraulic repairs, trust our comprehensive capabilities to keep your operation running smoothly.

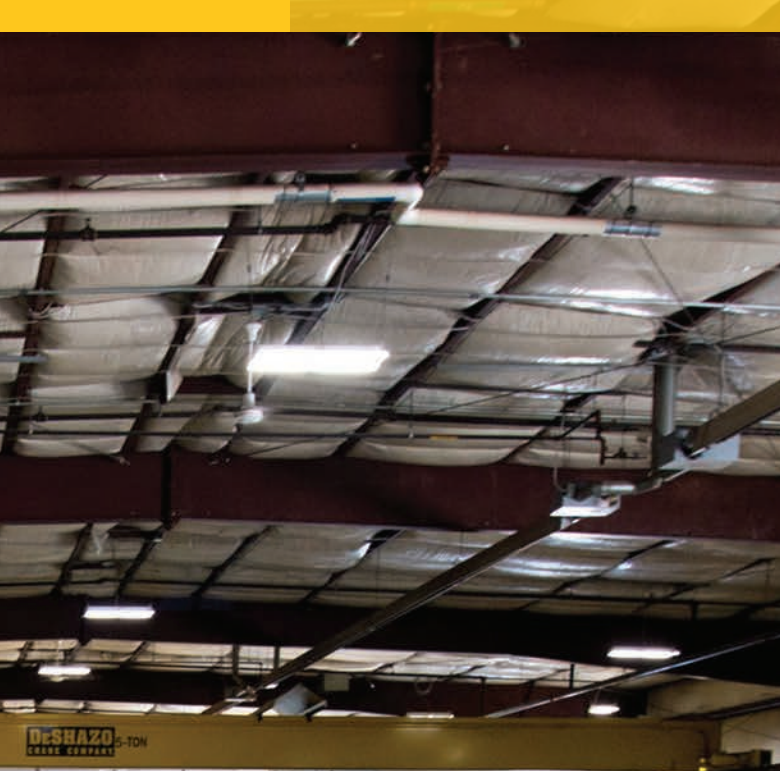
WE SPECIALIZE IN:

- Hydraulic cylinders
- Chroming and thermal spray technologies
- Hydraulic pumps, motors, and valves
- Hydraulic hoses, couplings, and fittings
- Machining, welding, and fabrication
- All makes, all models, all applications



**TO SEE OUR HYDRAULIC TEAM
IN ACTION, SCAN QR CODE
WITH YOUR SMART PHONE.**





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HYDRAULIC CYLINDERS

There are many factors to consider when performing a cylinder repair: turnaround time, budget, component life, and more. Our experienced team can recommend a wide variety of options to meet your needs – whether it's a simple reseal, a full recondition, or something in between, we have you covered.

- New and custom-made cylinders
- Before and after failure repair options
 - Complete failure analysis and cylinder disassembly, including inspection report with photos
- Resealing, honing, polishing, and rebearing
- Remanufacturing
- Chroming and thermal spray technologies
- Custom-made and high-temperature seals
- Component fabrication
 - Including re-rodging, barrel replacement, and sub-component manufacturing
- Welding and machining services
- Re-engineering of obsolete or poorly designed cylinders
- Comprehensive contamination control process
- Rigorous quality inspection process after repair
 - Pressure testing for leaks and proper operation





CHROMING & THERMAL SPRAY TECHNOLOGIES

We offer multiple protection options to increase durability and prolong the life of your cylinder rods. Our wear- and corrosion-resistant technologies are optimal for a wide variety of industries and working applications. Our in-house, state-of-the-art chroming and spray technology capabilities allow us to provide turnkey cylinder rod repair and other services at a much more competitive rate.

CHROMING

- ◊ Removal of existing chrome plating
- ◊ Repair or prepare the rod materials for chroming
- ◊ Apply new chrome plating
- ◊ Measure and inspect for compliance
- ◊ Industry-leading quality control process
- ◊ Available for many makes, models, manufacturers, and industries
- ◊ Pick-up, shipping, and drop-off options available

THERMAL SPRAY TECHNOLOGIES

- ◊ 6P combustion powder metalizing process
- ◊ Robotic controlled Twin Arc Spray System
- ◊ High Velocity Oxygen Fuel (HVOF)
 - Reduced porosity
 - Denser coating
 - Corrosion resistant



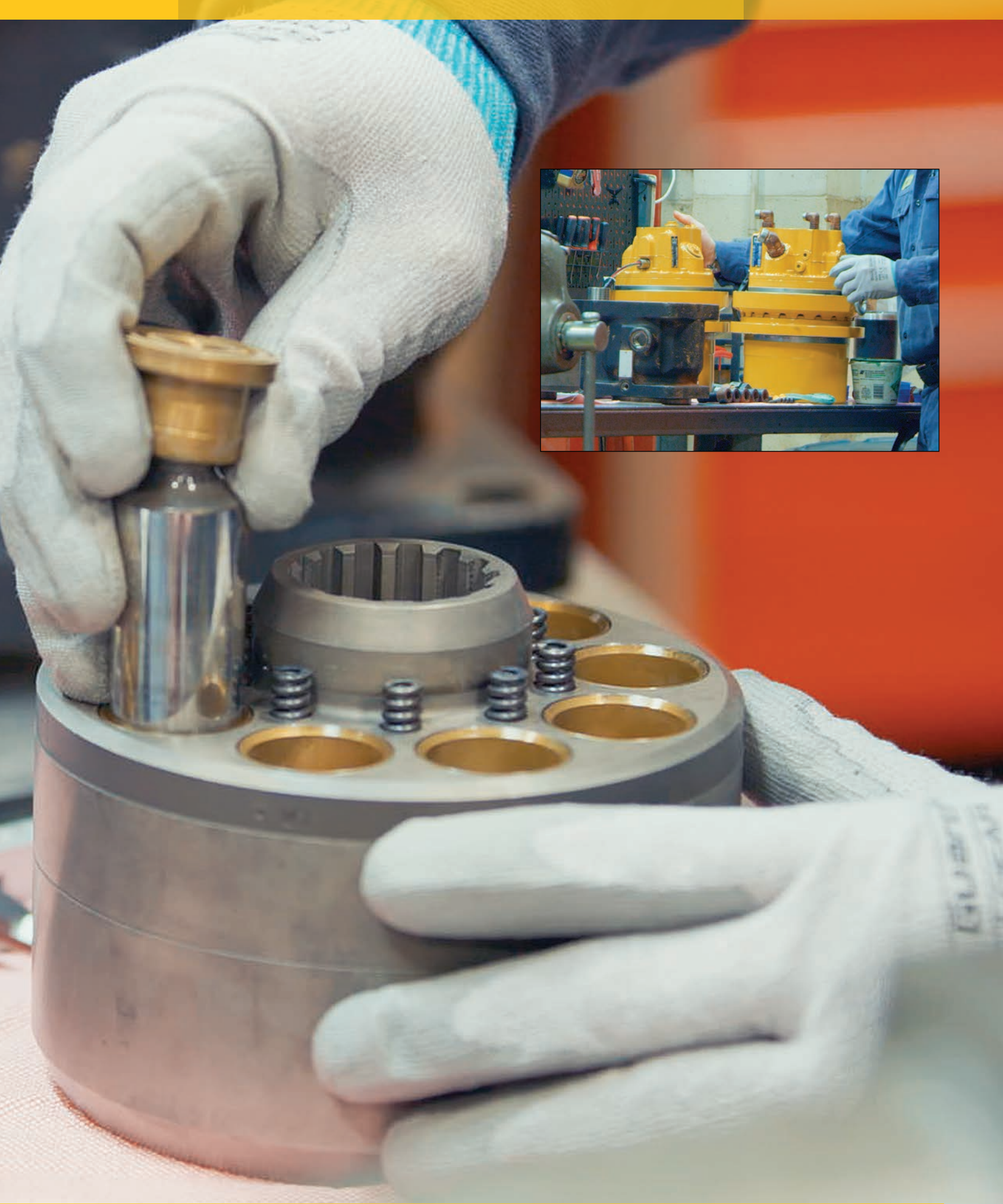


HYDRAULIC PUMPS, MOTORS, & VALVES

We service more than 55 brands of components from leading manufacturers, including Caterpillar, Rexroth, Sauer-Danfoss, Eaton, Sundstrand, Denison, Tyrone, Linde, Vickers, Volvo, Parker, Muncie, and more. Whatever brand you are working with, trust our expert team to repair it accurately and quickly.

- Complete failure analysis inspection of the component with supporting photos
- Various repair option levels to support diverse needs and budgets
- Power valve lapping
- Vane pumps
- Piston pumps
- Control valves
- Hydraulic motors
- Swivels
- HPCU transmissions
- Hydraulic hammers
- Gear pumps and motors
- Pressure testing upon repair completion



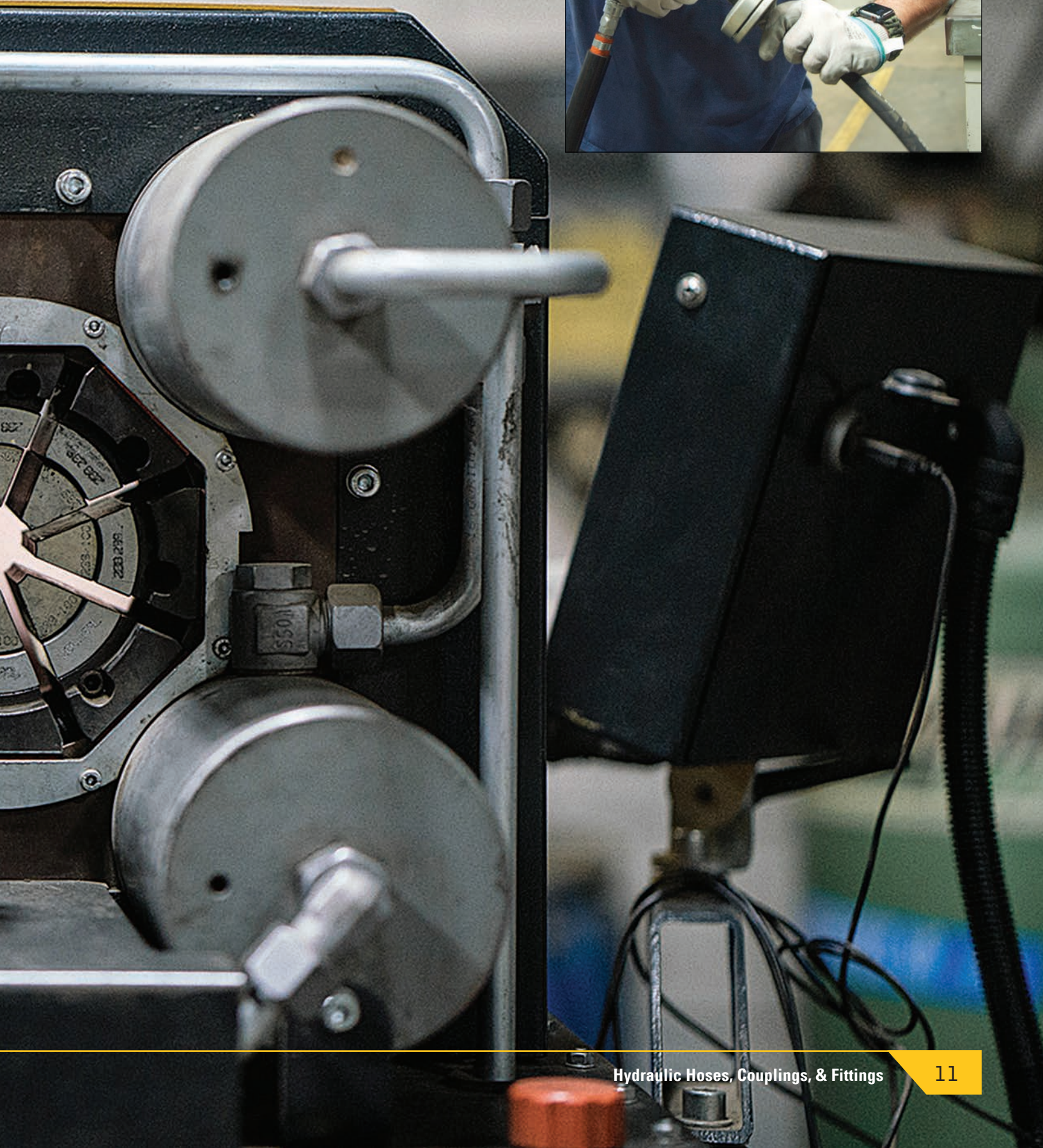


HYDRAULIC HOSES, COUPLINGS, & FITTINGS

Our team of certified technicians is uniquely skilled to make, assemble, and install hoses and couplings on any brand of equipment. Using the latest tooling, assembly information, routing standards, inspection techniques, and contamination control processes, they'll get you back to work as quickly as possible.

- Cat® ToughGuard™ hoses – the most rugged of the Cat hose product line
- Multiple-ply hose, strengthened with high tensile reinforcement wire
- Custom cut, assembled, and capped to protect from contaminants
- Tested to withstand up to two million abrasion cycles without failure, beating the SAE standard cycle guideline
- Industry-led testing, ensuring a perfect fit that delivers maximum safety and dependability
- Couplings are forged and machined from high tensile strength steel, which has been heat treated and plated to ensure maximum durability and corrosion resistance
- Comprehensive in-stock parts inventory for various manufacturers and sizes
- 30-minute guarantee on Cat hose repairs at most facilities*
- On-site customer hose-making solutions available

*Visit catermachinery.com/30orfree for a list of eligible locations



MACHINING, WELDING, & FABRICATION

Our advanced facilities are equipped to provide a full range of machining, welding, and fabricating services. Whether your repair is needed at the job site or in our shop, our certified machinists and welders are ready to assist. In-house engineering and design assistance, a large material inventory, rapid turnaround, competitive pricing, and quality standards are just some of the ways we support our customers.

- ◊ Line boring, milling, and welding services for a complete range of dimensions
- ◊ CNC plasma cutting table
- ◊ Manual and CNC lathes and mills
- ◊ Component repair
- ◊ Custom fabrication and pattern cutting
- ◊ Specialty services:
 - Re-machine paving rollers and motor grader circles
 - Rebuild and retrofit buckets and attachments
 - Grinding & polishing – general purpose, surface, cylindrical, “blanchard”, and power lapping
- ◊ Conventional and specialty attachments
- ◊ Rebuilds and repairs
- ◊ Mobile machining services available at customer location





WHY CHOOSE CARTER MACHINERY?

NETWORK OF FACILITIES

With over 30 Carter Machinery store locations spanning our territory and numerous dedicated hydraulic repair facilities, our footprint allows us to serve your repair needs more efficiently, reducing downtime and increasing your bottom line.

- ◇ Component pick-up and delivery
- ◇ Drop-off at any Carter store location
- ◇ Over 200 parts drop box locations

INDUSTRIES WE SERVE

Spanning four states and the greater Washington D.C. area, our diverse territory has allowed us to become proficient in hydraulic repairs spanning most industries, including:

- ◇ Construction
- ◇ Industrial
- ◇ Manufacturing
- ◇ Municipal/Government
- ◇ Waste Handling
- ◇ Marine
- ◇ Forestry
- ◇ Mining
- ◇ Military



THE CARTER DIFFERENCE: SUPPORT YOU CAN COUNT ON

With Carter Machinery, you get more than just the equipment you purchase – you get ongoing support from the entire team. From our sales professionals and finance team to our certified technicians and logistics drivers, we are here to help you succeed. It's our mission.



UNMATCHED SERVICE

- 1,100+ expert-level service technicians
- 24/7 support available when you need it



POWERFUL JOBSITE SOLUTIONS

- Machine attachments to enhance productivity
- Digital apps and technology options to help you work smarter



ACCESSIBLE PARTS OPTIONS

- 99% of parts are available by next day
- Convenient purchasing online with Parts.Cat.Com



UNPARALLELED SUPPORT

- 2,000+ team members, ready to help
- 30+ convenient locations spanning four states



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YOUR SUCCESS IS OUR MISSION

Since 1928, Carter Machinery has been focused on helping our customers to achieve their highest level of success. **It's our mission.**

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