

**HYDRAULIC**  
**SPECIALTY INC.**

— THE —  
**HEART**  
— OF —  
**HYDRAULICS**

**2022**

**PARTS & SERVICE GUIDE**

## OUR COMPANY

ON THE ROAD.  
ON THE FARM.  
ON THE FLOOR.

# HYDRAULICS MOVE BUSINESS.

At Hydraulic Specialty, we deliver real-world solutions and powerful results. We're part of your team, collaborating with you from day one. We bring seamless execution, reliable repairs and industry-best components.

We're in the business of hydraulics to give your business a lift. Welcome to the fluid power of Hydraulic Specialty.

Whether you need a comprehensive system that involves hydraulics, power and control, or critical consulting on component fabrication or selection, you can count on Hydraulic Specialty for solutions that make hydraulics easier to repair, upgrade, and maintain.

Founded in 1968, Hydraulic Specialty brings together a full service operation capability — with large-company expertise and small-company attention to detail. This combination appeals to customers who need every aspect of hydraulic function, from repair to reconstruction, at one time or another.



## FEATURED INDUSTRIES

- DUMP TRUCKS
- DUMP TRAILERS
- MOVING FLOORS
- SNOW & ICE REMOVAL
- LOWBOY TRAILERS
- WASTE REFUSE TRUCKS
- MOBILE CRANES
- TOW & RECOVERY VEHICLES



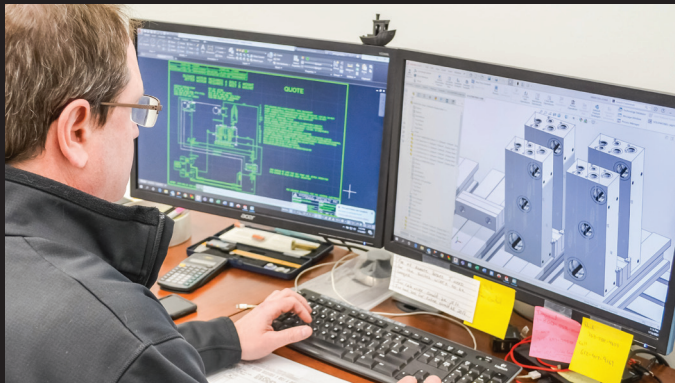
# ENGINEERED SYSTEMS

## WHERE **HEAVY LIFTING** MEETS **INVENTIVE THINKING.**

It takes collaboration at every step of the process. Why? Because every task is unique. We'll sit down with you and brainstorm to find workable and affordable solutions. We like thinking outside the box. Our engineers and designers utilize Solidworks and AutoCad software, and we'll create 3D models to let you preview things at a hands-on scale before things get real.

Once we agree on a plan, we bring in high quality components for your build to ensure excellent performance and long life.

Contact us with what you require in integrated hydraulics equipment, and we will provide a customized solution.



# CUSTOM MANUFACTURING

## TOP TO BOTTOM COMPONENTS. **START TO FINISH SERVICE.**

From Quick Fixes To Complete Overhauls.

### **CUSTOM HYDRAULICS SOLUTIONS**

Send your ideas to us and we will make them a reality. With years of real world experience and manufacturing expertise, Hydraulic Specialty is ready to create the products or systems you need to run your business in the most effective way.

#### **Wet Kits**

Installing a wet kit optimizes your business capabilities. If you are looking for two or three line systems, dump trailer or moving floor applications, our in-house engineers will design a custom Wet Kit solution that fits your business. Hydraulic Specialty partners with industry leaders such as Muncie Power Products, Permco, Bezares, American Mobile, Safeway, Thermaflow and RYCO to deliver top performance.

#### **Proportional Hydraulic Solutions**

Control is a key component in making sure your business runs smoothly. Our expertise assists you in creating a system to ensure quality and functionality that achieves results.



#### **Power Units**

With experience in many industries, Hydraulic Specialty provides knowledge-based Power Unit solutions to you using our in-house fabricating and machining capabilities.

#### **Cylinders**

With our in-house machine shop, we can quickly fabricate specific hydraulic equipment to tight specifications. We can create custom cylinders, structural weldments, and more.

#### **Filtration Systems**

Dirt and particles cannot be allowed to keep a system from operating correctly. We can design complete systems that help eliminate costly repairs and cleanings.



## CASE STUDY

# ALWAYS UP TO THE **CHALLENGE.**

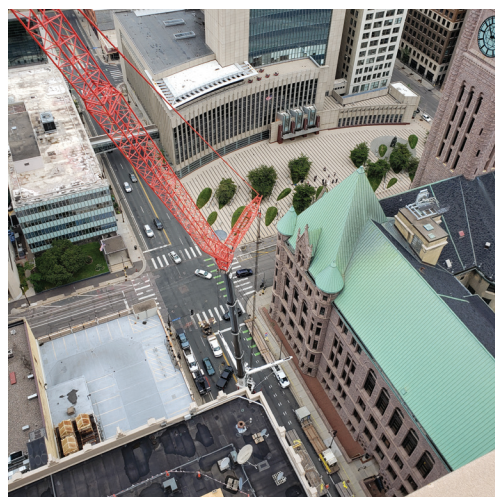
**THE SOWLES COMPANY:** Erects and operates cranes for building projects in the Midwest.

**CHALLENGE:** Placing a mini crane by helicopter on the roof of a 26-floor tower to remove a structure that would stay within weight restrictions. The radio-controlled, battery-operated crane could not be used for continuous operation — every 3 hours, the main motor would overheat and the batteries would drain. Also, the building power was limited to 30 amps at 208V 3-phase, and all BSPT metric fittings.

**DEADLINE:** 10 days

**SOLUTION:** Our engineers reviewed the situation and determined a way to develop a small 10hp electrically-driven power unit. By passing the existing pump and connecting the reservoir to the new system, we devised a way that the tank and control system could still be used. The in-house fabrication shop created the power unit and welded the frame so everything could be hoisted to the roof. We built the electric panel and wired it for immediate use. The variable displacement pump helped accommodate the fact that it was not yet clear how much pressure the crane would need. By monitoring the amp load of the motor and pressure gauge, we could limit the maximum pump pressure and adjust oil flow.

**RESULT:** Our new hoist solution operated 30% faster. The ability to run continuously shaved 3 weeks off the project time and saved thousands of dollars. Sowles can now use their crane on similar future projects.



## COMPONENTS

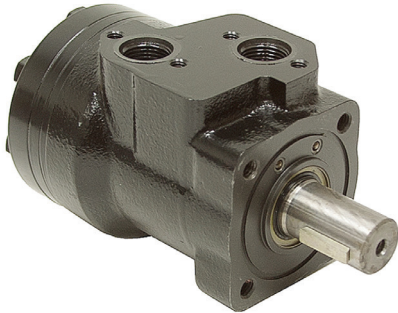
EVERY COMPONENT.  
EVERY DETAIL.

## THE PARTS YOU NEED WHEN YOU NEED THEM.

Details matter. If there's a part you need, look no further than Hydraulic Specialty. We have a complete inventory of pumps, motors, valves, telescopic and custom-built cylinders, filters, hose assemblies, seals, fittings and more. Our experts source from the top names in the industry. And our wet kits are the most reliable you can get. If we don't carry what you need, just tell us what you want. We'll custom make it.







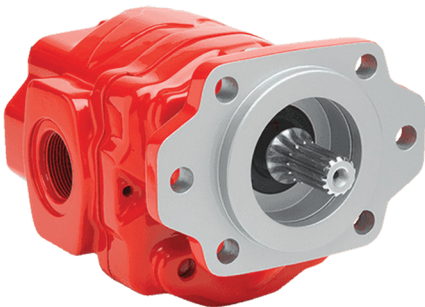
## MOTORS

Motors available through Hydraulic Specialty can be custom fitted to precise pressure and displacement specifications for specific applications. Our selection is available for quick turnaround repairs and customer solutions.



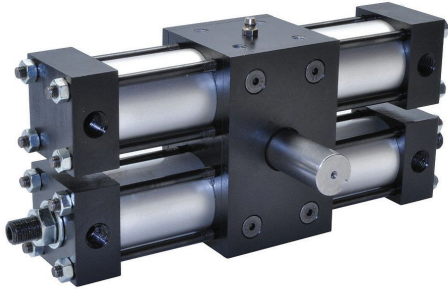
## MANIFOLDS

Featuring high-quality brands as well as ready accessibility and competitive pricing, Hydraulic Specialty is also known for our expertise in matching the right manifold for optimum fluid flow and efficient operation. Our selection features top brands, backed by our custom fabrication capabilities.



## PUMPS

Expert at helping to select the right pump for a specific application, Hydraulic Specialty helps integrate solutions that will function at peak performance and efficiency. Count on top brands in stock.



## ACTUATORS

Hydraulic Specialty stocks a wide selection of mechanical actuators that can be custom fitted and quickly replaced for improved overall performance. Local sourcing and custom service make Hydraulic Specialty the top choice for both service and repair.



## VALVES

From quick fixes to complete overhauls, Hydraulic Specialty knows that every hour off the road can mean profits lost. So, we stock a complete selection of high-quality valves for replacement, or for improving a hydraulic system operation.



## HOSES

Hydraulic Specialty has developed not only a wide variety of hoses, but also provides consulting for bringing the combination of durability and flexibility to new applications.



# LINE CARD

Hydraulic Specialty is your go-to partner for all your hydraulic parts needs. We offer over 50,000 parts from the top names in the industry. Our expert team is here to help you find your next solution from the brands you trust.



## SERVICE & REPAIR

### SERVICE WITH A **SOLUTION.**

It's a fact of work. Eventually, you need repairs. Our in-house facility is stocked and prepped for any size job. Our crew of expert technicians is ready to brainstorm any challenge with you. We're an authorized repair center for Permco and Bezares.

#### **MOBILE**

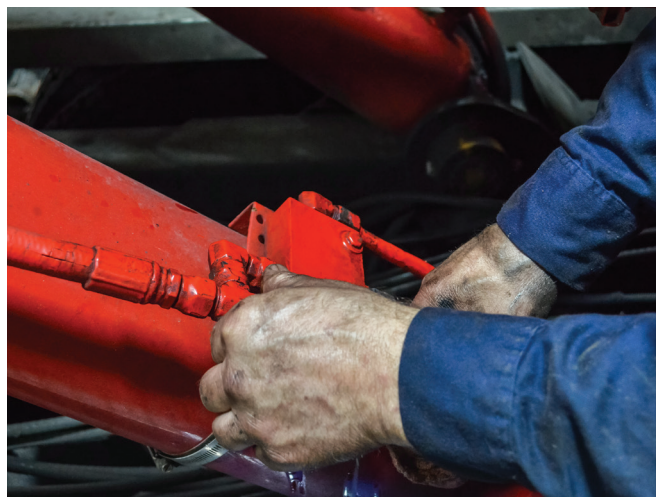
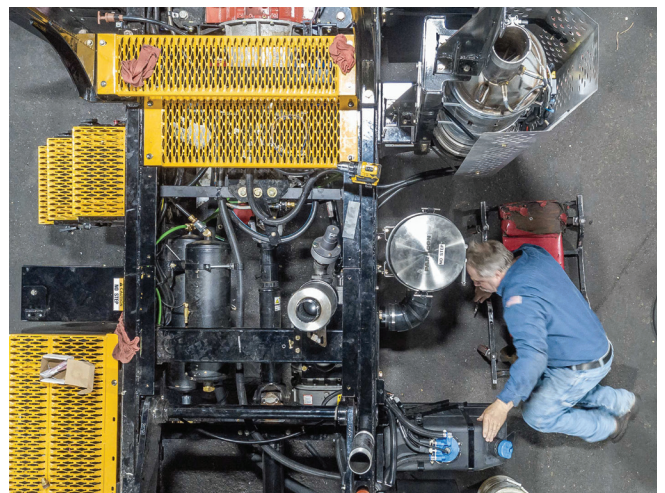
We offer complete repair, maintenance and emergency service for all hydraulic vehicles no matter the make or model. From cylinder removal, repair or installation, to pump testing and emergency drive-up service, we are equipped to handle all of your repairs. Our knowledgeable and responsive team can quickly analyze your problem through testing and troubleshooting to repair your hydraulic system in our shop or yours. At Hydraulic Specialty, we employ IFPS Certified Fluid Power Specialists with the professional knowledge to get the job done right. We can pick up, deliver, or send a technician to you. We look forward to getting you back on the job.

#### **Same Day**

When repairs simply can't wait, stop in to benefit from our quick turnaround times. Our technicians have the expertise and experience to execute solutions when you're up against the clock.

#### **Walk-In Services, "Hoses While You Wait"**

Our experienced team members are here when you need us. For parts, creating a new application or being ready with a seal or hydraulic hose in-hand, we're ready to serve you.





## FACTORY DIRECT

Buying parts is easy. Knowing what to buy is a whole different story. We're here to help you pick out the right parts solutions from our line card, from the top suppliers in the industry.

### Diagnostic & Quality Assurance

For any size fix or replacement part, stop by and collaborate with us. We're ready for any challenge, any glitch.

### Field & Service Calls

If it's more convenient, we'll come to you and save you some downtime. Wherever you work, we'll meet you with innovation.

### Emergency Drive-Up

No matter the make or model, we can help fix any hydraulic issues with your vehicle.

### Delivery

With local delivery five days a week, we can help get you back to business and save you time.



### Cylinder Repair

Our custom cylinder experience means we know how to diagnose issues and what to do to get your system's cylinders running like new again.

### Cylinder Replacement

You can trust our technicians and our in-house custom cylinder equipment for quick cylinder fabrication and replacement.

### Hydraulic Maintenance

Stay out of the shop and on the job with our expert technicians, who recommend preventative maintenance to keep your systems running.



### Hydraulic Installation

From tanks to pumps to hoses, we handle the installation of your hydraulic systems from start to finish.

### Hydraulic Equipment Repair

Our technicians are here to help you get the most out of your equipment, replacing individual hoses, seals, and more as needed.



**Thank You**  
for letting us support  
your Hydraulic needs.



**HYDRAULIC**  
**SPECIALTY INC.**

**BRAND  
PROMISE**

Only Hydraulic Specialty delivers critical consulting paired with comprehensive solutions that make hydraulics easier to repair, upgrade, and maintain, giving their customers optimal equipment in a variety of industries.

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