For over 20 years we have been remanufacturing engines, transmissions, hydraulics and ancillary components for construction and mining machines at our facility here in Lexington, Kentucky. Now as part of the SRC family of companies we are growing into new markets and using our expertise to develop the products our customers need for their Remanufacturing programs.

We understand the importance of quality when it comes to your products and the integrity of your name. Our aim is to work with OEMs to offer quality remanufactured products that allow them to lower the cost of ownership to their customers and maximize uptime and product value.

Our 65,000 sq ft facility has some of the most modern equipment in the industry and our continuous investment program ensures we can continue to offer effective remanufacturing solutions for your Reman program. Some of the remanufactured products we currently provide include:

- Large diesel engines (15L and up)
- Fixed and variable displacement hydraulic pumps
- Travel motors and final drives
- Transmissions, torque converters, power modules
- Axle assemblies, differentials
- Fuel pumps and Injectors
- Brakes and suspension assemblies
- Turbos, cylinder heads and water pumps
- Air compressors
- PTOs, damper systems and transfer boxes

At the heart of everything we do is our commitment to quality—not just in our products and services but also in the systems that underpin them. Being ISO 9001:2008 certified means you can be sure we maintain a rigorous quality management system. You’ll find evidence of that in every aspect of our business; from the full calibration traceability of all of our measuring equipment to the weekly maintenance and sampling programs for our test benches.

Our use of process-driven remanufacturing means we rely on documented procedures and checks to enhance the general experience of the technicians doing the job. These checks follow the job through every step of the remanufacturing process.

Working with the OEMs we start developing remanufacturing methods and critical checks from the moment a part is introduced and continually improve them throughout its life cycle. Whether it’s the torque on a bolt or the surface finish on a valve plate, we rely on process control and verification processes to ensure conformity to OEM standards.

- ISO 9001:2008 Certification
  - Mature QMS, certified since 2005
  - Quality Management System includes
    - Establishment of internal quality metrics
    - Management review process
    - 2 complete audits (all systems)
    - 2 external audit every year

- Full recertification every 3 years
- Non-conforming parts process
- Calibration program
- Formal corrective action process
- Formal preventive maintenance process and metrics

Our aim is to work with OEMs to offer quality remanufactured products that allow them to lower the cost of ownership to their customers and maximize uptime and product values.
We remanufacture all types of transmissions, from the HSS and HST systems that are found on many of today’s construction and agricultural machines to the conventional planetary and countershaft systems found on larger production and mining equipment. Our transmissions are in everything from the smallest utility equipment to some of the largest mechanical earthmoving machines in the world. Whatever the size, they are all fully tested and get the same attention to detail that makes our operation world-class. Because we offer a comprehensive remanufacturing program we can offer all of the pumps and ancillary parts too.

Test Equipment:
- 3 large benches to test all of your power train components
- Eddy current load testing ability to simulate operation under load

Products:
- Transmissions
- Power modules
- Torque converters
- Final drives

Some of the Powertrain products we remanufacture use the latest electronic systems to control all aspects of the transmission such as fill, modulation and shifting. Our technicians build and test these transmissions using the knowledge and training we receive from the OEMs. Inspection is a vital part of our process; we use technical drawings and tolerances supplied by the OEMs when we carry out our salvage processes. Combined with our exacting measuring procedures and closely-controlled quality systems, you can be sure the reused parts in our products are as good as new.
Our industry-leading hydraulics department boasts a 3500 sq ft ISO 14644 class 8 clean room. All hydraulic and fuel components are built in the clean room to ensure the very highest level of cleanliness. The room fully exchanges the air through 26 HEPA filters every hundred seconds, maintaining a contamination-free positive-pressure environment.

Cleanliness doesn’t stop at the clean room. Our 4 test benches use kidney filters to keep the oil clean to ISO 4406: Class 19/17/14. How do we know? We sample and test the oil from the benches every week as part of our preventive maintenance program.

Our factory-trained technicians use OEM specs to remanufacture the latest generation of electronically and mechanically controlled pumps and motors. From checking critical areas like valve plate contact to checking differential pressure and performing flow tests, we follow factory assembly and test plans.

Test Equipment:
- 4 test benches up to 300HP
- Up to 7200 PSI and 60GPM

Products:
- Main hydraulic pumps
- Swing motors
- Fan pumps
- Single and multi-stage fixed displacement pumps
- Brake assemblies

From checking critical areas like valve plate contact to checking differential pressure and performing flow tests, we follow factory assembly and test plans.
All engine parts are inspected to meet OEM standards. In fact, before an engine even reaches the dynamometer cells, our technicians have carried out as many as 1500 measurements and over 1000 individual checks on the engine and its components.

- 2 x 2000 hp Hydraulic dynamometers
- 2 fully enclosed test cells
- Computer-controlled data acquisition and testing systems

All of our engines are thoroughly tested. Our computer-controlled dynamometers follow OEM test plans to ensure performance equals the standard for that engine, while our multi-channel data acquisition system monitors and records all of the engine parameters during the test. Both of our 2000 horsepower dynamometers are regularly calibrated in line with ISO9001 requirements.

All of our engines are fully tested. Our computer-controlled dynamometers follow OEM test plans to ensure performance equals the standard for that engine...
Ancillary Parts

With all the advances in diesel fuel systems it’s important to stay ahead of the game. That’s why our fuel shop has the equipment and trained technicians capable of working on the latest high pressure common rail injection systems. All of the fuel pumps and injectors are assembled in our clean room and go through comprehensive test plans to ensure they meet OEM specifications.

- 5 test benches
- Common rail for Tier 2, 3 and 4 interim engines
- Mechanical and HPI fuel systems
- Clean room assembly of all fuel components

We are proud to offer a full range of ancillary components, all built to the same high standards.

- Air compressors
- Water pumps
- Oil pumps
- Turbos
- Swing machinery
- Suspension assemblies

We are proud to offer a full range of ancillary components, all built and tested to the same high standards.
The Reman Process

Disassembly and cleaning

Everything starts at disassembly. We think it's critical that all components are completely disassembled by skilled personnel. By using the same methodical approach to disassembly as we do to our other processes we can salvage reusable components and maximize the value of the finished product.

Choosing the right cleaning method is important: too aggressive and you might damage the part, too mild and it will not be clean. Getting parts clean is important not only for keeping contamination out of the final product, but also for removing things that can hide cracks and other flaws.

- High pressure steam cleaners
- Soda blast
- Shot blast
- Ultrasonic tanks up to 8KW
- Caustic hot tank
- Bead blast

Salvage and inspection

All of our parts are inspected and many receive multiple levels of testing and measurement. We use dimensions and geometric tolerances from OEM drawings to make sure the parts meet the correct specification.

Using techniques such as magnetic particle inspection, dye penetration and bore scope inspection we can determine if any cracks or flaws are present. By finding these hidden problems we can prevent them from causing a failure in the field.

We use many salvage techniques for restoring parts to as-new condition. These include metal spray, electroplating and lock-n-stitch®. We also have full welding and CNC machining capabilities in our workshop along with a wide range of conventional milling, turning, grinding and boring machines.

Assembly

Our skilled assemblers follow factory manuals and specifications when building our products. As part of our comprehensive quality management system every job carries check sheets and other documentation with it through every step of the process. All of the critical checks and measurements are recorded down to the serial number of the tools used. This gives us full traceability of both the equipment and personnel used to remanufacture each part.

Each technician is equipped with online access to bills of material and parts information. We make sure that all agreed updates and service bulletins are incorporated into our products, so it's important to have the latest information.

Testing

Every part that leaves the factory has been comprehensively checked. Whether it's the largest engine or the smallest hydraulic pump each one is run through a performance test. Test plans usually come from the OEMs and have many steps that need to be completed. Each test is recorded and stored electronically and can be recalled at short notice. Our technicians know that when they test a product our reputation is on the line. All of our employees are also owners of the company and they understand the importance of producing a quality product.

Painting and packing and shipping

We can provide whatever painting and packaging options you require for your product. In addition to designing and manufacturing packaging solutions in-house, we are happy to use your paints and branded products so that no repackaging is required. We can offer full logistics services for both the finished product and core and are happy to ship to you or directly to your customers.
Whether you’re just starting in Remanufacturing or have a mature program, SRC can assist you at every step. The SRC group of companies has comprehensive coverage of construction, mining, agriculture, automotive, electrical and power generation markets as well as many years of experience of Remanufacturing programs. We can also provide the logistics and full core handling services including core evaluations, storage and management of credits; all seamlessly integrated to provide you with a one-stop remanufacturing solution.

If you’re interested in finding out more about how SRC can work with your company please contact us at:
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