



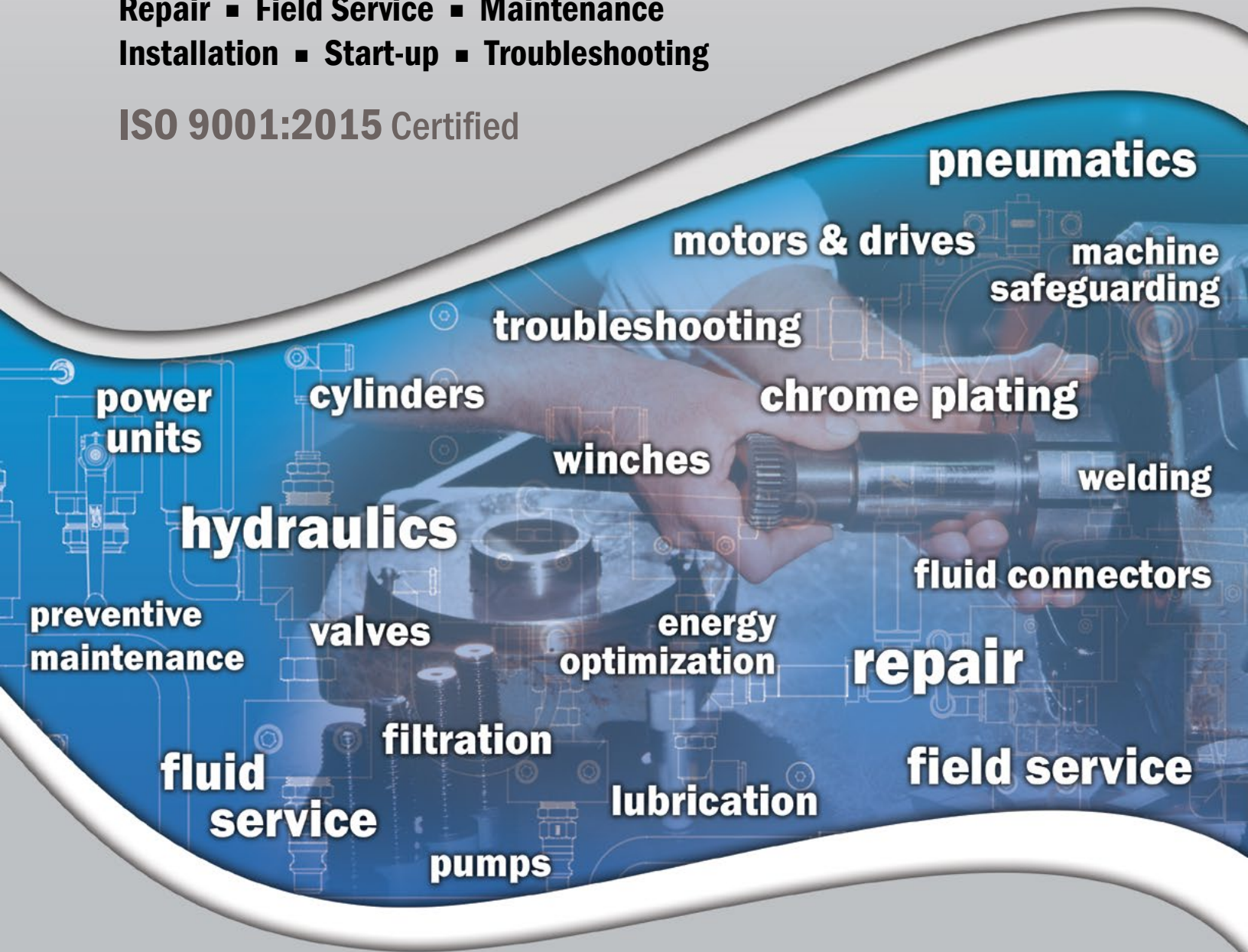
*Airline*

**Products and Solutions to Power Your Ideas**

## **Aftermarket Services**

**Repair ■ Field Service ■ Maintenance  
Installation ■ Start-up ■ Troubleshooting**

**ISO 9001:2015 Certified**



**For 24-hour service or repairs**

**Call 1-800-999-7378**

[www.airlinehyd.com](http://www.airlinehyd.com)



# Airline

100% Employee Owned

***We know our business... we own it!***

## **Rely on our expertise to keep your equipment operating at peak efficiency!**

Our repair team understands how critical it is to keep your equipment running. That's why we treat your emergency as if it were our own, with prompt estimates and speedy repairs. Airline repairs a wide range of fluid power and automation components from all major manufacturers, offering field service, troubleshooting, remanufacturing, installation, start-up and consultation services. We will go where we're needed and have even performed field services in many locations overseas.

### **What sets Airline's Aftermarket Services apart from our competition?**

- **Our ISO 9001:2015 certified facilities** in Bensalem, PA; Ocean View, NJ; Pittsburgh, PA; Lancaster, NY (near Buffalo) and N. Kingstown, RI. Our commitment to quality shows in all we do.
- **Our experienced team of factory-trained bench mechanics** has the expertise to evaluate and repair a wide range of equipment and they continually broaden this expertise by attending training courses and seminars.
- **Our fully-equipped fleet of service trucks** enables our technicians to perform on-site diagnostic troubleshooting and repairs, including hydraulic hose replacement.
- **Our pick up & delivery services:** For your convenience, we can schedule a regular pick up date for plants in select areas with a large volume of maintenance or repair work.
- **Our huge inventory of new components & replacement parts:** As an authorized stocking distributor for leading fluid power manufacturers, we have immediate access to a wide range of authentic factory parts.
- **Our repair guarantee:** Most repairs are covered by our one-year repair guarantee ensuring your complete satisfaction. You can count on Airline for "like-new" performance of the repaired component or system and the quickest repair turnaround in the industry.

**For 24-hour service or repairs, call Airline at [1-800-999-7378](tel:1-800-999-7378)**



## Airline repairs hydraulic components from ALL major manufacturers.

### Major Lines Serviced:

- Rexroth
- Eaton
- Hydromatik
- Oilgear
- John Deere
- Bosch
- Kawasaki
- Staffa
- Caterpillar
- Racine
- Sundstrand
- Liebherr
- Parker
- Uchida
- Charlynn
- Danfoss
- Komatsu
- Hitachi
- Vickers
- Linde
- Dynapower
- Cessna
- Denison
- Mailhot
- Brueninghaus
- Permco

**Our goal is to provide you with the highest quality repair, quick and accurate turnaround times, and competitive pricing.**



Hydraulic cylinder reconditioning and service.



# HYDRAULICS

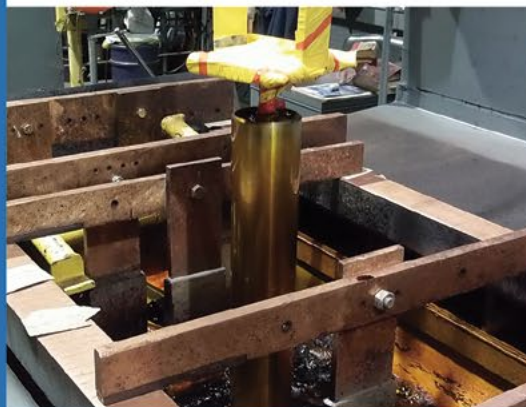
## Powerful Service... Powerful Capability

Today's complex hydraulic systems incorporate specialized controls for pumps, motors and valves. Proper servicing requires knowledgeable individuals with capable test equipment. Our machine shops are fully equipped and staffed by experienced, fully-trained professionals, including MIG/TIG certified welders. All processes are monitored for quality and workmanship. All tolerances are pre-checked before final assembly. The final operational test is performed at the component's rated pressure to ensure it meets or exceeds OEM specifications.

### Major components we test and repair:

- **Pumps and Motors:** Open and closed loop; fixed & variable displacement.
- **Cylinders:** Repair, reconditioning, design & manufacture of hydraulic cylinders for mobile, construction or industrial equipment.
- **Valves:** Pressure & directional control; proportional & servo.
- **Rotary Actuators:** Vane and rack & pinion.
- **Power Units and Control Systems:** All makes and models.

**Call us for field service, installation, start-up, troubleshooting, remanufacturing & refurbishing of hydraulic components & systems.**



Chrome plating of cylinder rods up to 20 feet in length and with bore sizes up to 20 inches.

## Hard Chrome Plating

Hard chromium plating can be applied as a surface finish coating (usually measured in thousandths of an inch) to hydraulic cylinder rods, rollers and piston rings for wear resistance, lubricity, oil retention and other wear resistance purposes.

[www.airlinehyd.com](http://www.airlinehyd.com)



# MARINE & MOBILE

**We design, build, service, repair, install, start-up and warranty a wide range of components for marine and mobile equipment.**

- Hydraulic service & repair, including planetary and worm gear winches and gear boxes
- Complete fish boat hydraulic rig-up
- Marine engine control system and steering repair
- Crane boom repair
- Winch certification
- Installation and start-up assistance



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**Rexroth  
Bosch Group**  
Solutions Partner  
Authorized Distributor

**HYDAC**



**Parker**  
FluidConnectors

**HOSE**

**Now offering ready-to-ship used, rebuilt, reconditioned and new parts for all makes and models of earthmoving equipment!**

- Articulated Trucks
- Wheel Loaders
- Crawler Tractors
- Hydraulic Excavators
- Attachments



- |                         |                            |                            |
|-------------------------|----------------------------|----------------------------|
| Axle Shafts & Housing   | Fenders                    | Rippers                    |
| Blades                  | Final Drives               | ROPS Canopies              |
| Booms                   | Fork Attachments           | Sheet Metal                |
| Boom & Stick Assemblies | Grapples                   | Steering Clutches & Brakes |
| Brake Calipers & Groups | Hoist & Steering Cylinders | Swing & Travel Motors      |
| Bucket Control Linkage  | Hydraulic Tanks            | Swing Device Assemblies    |
| Buckets                 | Hydraulic Cylinders        | Transmissions              |
| Cabs                    | Hydraulic Pumps            | Torque Converters          |
| Control Valves          | Main Hydraulic Pumps       | Track Spring Assemblies    |
| Differentials           | Oil Coolers                | Truck Boxes                |
| Dyno-tested Engines     | Oscillating Hitch          | Turntable Bearings         |
| Engine Components       | Planetarys                 | Undercarriage Parts        |
| Equalizer Bars          | Radiators                  | Wheel Assemblies           |

Safe and reliable fluid delivery is vital to any hydraulic system. Airline produces hoses, fittings and assemblies based on your unique pressure, temperature and media parameters. All hose assemblies produced at our ISO 9001:2015 certified facilities undergo complete quality testing to verify that the final product will exceed specifications. In addition, Airline can provide:

- Tube bending & custom pipe threading
- While-you-wait hose assembly fabrication
- On-site hose fabrication (in select areas)

**For 24-hour service or repairs, call 1-800-999-7378**

**Nearly 85% of hydraulic component failures result from contaminated oil!**



The contamination in a hydraulic system may be invisible to the human eye, but when magnified, it's easy to see how these tiny particles can damage a system and its components. When circulating through the system, they act as an abrasive which "sand-blasts" the surface of all of the components and causes them to function inefficiently, and eventually break down.

Like particulate contamination, water in oil can be an invisible threat. We can identify and remove dissolved water *before* it causes system damage.

**Call Airline today to set up a preventive maintenance program to increase machine uptime and lengthen component life.**



# FLUID SERVICE

## **A.I.M for optimal fluid cleanliness!**

- ANALYZE:** Our service professionals will work with you to analyze oil samples and compare the results with manufacturers' recommendations for ISO cleanliness levels.
- IMPLEMENT:** Whether it's an upgrade of the current filtration system or a one-time system filtration or flush, we will recommend and implement the best option to ensure the most reliable service life for your system or component.
- MONITOR:** Airline has many programs and products available to monitor your system for ongoing fluid cleanliness or for the presence of water in the system.

**Airline also offers diesel filtration, leak repair, heat measurement and system performance analysis.**

# LUBRICATION



*Airline is a full-service Lincoln Industrial distributor & authorized repair facility.*

## **Lubrication System Repair, Field Service & Installation**

Improper lubrication is another leading cause of equipment failure. Airline can design and install customized lubrication systems or service existing lube equipment to reduce friction and premature bearing wear in industrial or mobile equipment. Ask us about upgrading to an automated lubrication system to reduce repairs, cut grease consumption and improve safety.

[www.airlinehyd.com](http://www.airlinehyd.com)



We design & install compressed air distribution systems.



# AUTOMATION SERVICES

Airline repairs automation components such as pneumatic cylinders, conveyors and servo motors.

We service and repair air-operated pumps, large-bore pneumatic cylinders, air valves, paletized conveyors and servo motors. Ask us about Bosch Rexroth's Reman programs to extend the machine life of your drive and control products.



# LIQUID & GAS PRESSURE PRODUCT REPAIR



Airline is an authorized Haskel repair facility.

Our factory-trained repair technicians have years of experience evaluating and repairing Haskel components and systems including:

- Air-driven high-pressure liquid pumps
- Air & hydraulic-driven gas boosters
- Air-driven high-pressure air pressure amplifiers
- High-pressure valves and accessories
- Customized liquid & gas pressure systems

Contact us for the repair of other booster components too!



For 24-hour service or repairs, call Airline at **1-800-999-7378**



**Machine &  
Process Safety  
Assessment  
Group**

## Total Safety Solutions

Our Machinery & Process Safety Assessment Group (MPSA) has years of experience related to manufacturing safety. We offer:

- **Machine Safety Surveys**  
The survey helps uncover equipment shortcomings and flag machinery requiring immediate action.
- **Risk Assessment**  
Our thorough risk assessments identify points of hazard during all potential conditions, as defined in OSHA 29 CFR 1910, Subpart O, and comply with other federal and international guidelines.
- **Turnkey Solutions**  
We develop turnkey solutions to eliminate or control hazards and, if necessary, prioritize implementation.
- **Machine Stop Time Analysis**  
Our computer-based analyzer accurately measures machine stop times and distances. Knowing these parameters enables the appropriate application of presence-sensing devices.

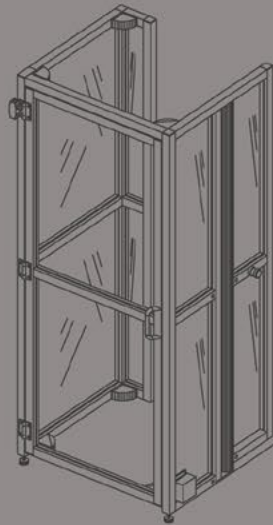


# MACHINE SAFEGUARDING

**We design, build, service and install a wide variety of machine safeguarding systems, including (but not limited to):**

- Customized machine guards
- Perimeter guards & fencing made of steel or aluminum
- Integrated electronic safety controls
- Laboratory isolation enclosures and cleanrooms

**We can also build & install ergonomic workstations for lean manufacturing, mezzanines, customized shelving, display cabinets and more.**



# ENERGY OPTIMIZATION

**We design, fabricate, install and start up customized turnkey solutions to optimize the efficiency of processes and machinery in your facility.**

Airline will assess comprehensive energy usage across your entire facility (not just isolated systems), identify opportunities for reducing energy costs and implement solutions. Evaluations can include:

- Compressed air systems & controls
- Hydraulic systems
- Pumps, fans & other rotating equipment
- Boilers & steam systems
- Pasteurization & homogenization
- HVAC systems
- Water & wastewater
- Building automation
- Vacuum & blower systems
- Cooling water systems
- Lighting
- Motors
- Industrial refrigeration
- Baking & ovens
- Chilled water systems
- Process control
- Heat recovery
- Thermal storage
- Cogeneration
- Fuel switching

Continue to achieve savings by allowing us to handle utility rebates, conduct training programs, and develop standards and a custom plan to measure and verify your savings.

[www.airlinehyd.com](http://www.airlinehyd.com)



**HEADQUARTERS: BENSALEM (Philadelphia), PA**  
 3557 Progress Drive, Bensalem, PA 19020  
 (215) 638-4700, Fax: (215) 638-1707

*Airline has branches and sales offices from Maine to Maryland providing local customer service and technical expertise.*



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 MOTION & CONTROL NETWORK  
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2A Interchange Place, York, PA 17406  
 (717) 767-6466, Fax: (717) 764-2147

**WESTERN PA:**

145 Delta Drive, Pittsburgh, PA 15238  
 Toll Free: (877) 288-6623, Fax: (412) 963-7040

**VIRGINIA:**

10964 Richardson Rd, Ashland, VA 23005  
 Toll Free: (800) 550-6564, Fax: (978) 353-3084

**MARINE & MOBILE SYSTEMS:**

428 Woodbine-Ocean View Rd., Ocean View, NJ 08230  
 Toll Free: (877) MARINE-2, Fax: (804) 550-2673

**RHODE ISLAND:**

376 Dry Bridge Road, Bldg. B-1, N. Kingstown, RI 02852  
 (401) 583-0190, Fax: (401) 583-0191

**MARYLAND/WEST VIRGINIA:**

11447 Cronhill Dr., Suite J, Owings Mills, MD 21117  
 (410) 581-2200, Fax: (410) 581-2231

**FLUID POWER SERVICE:**

4474 Walden Avenue, Lancaster, NY 14086  
 (716) 681-8474, Fax: (716) 681-8514



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ISO 9001:2015 Certified

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