

EXCEL

HYDRAULICS

Committed to **EXCELLENCE**



At Excel Hydraulics, we apply our diverse set of capabilities to creatively solve our customers' hydraulic system breakdowns. As such, we're uniquely positioned to take on new challenges in the varied industries we service. Knowing that downtime negatively impacts our customers' productivity, our knowledgeable staff design custom solutions using our highly specialized, purpose-built equipment to solve problems in-house or at our customers' job site.

As an ISNetworld vendor with TWIC credentialed employees, Excel Hydraulics gives our clients our full attention – applying the knowledge, hard work and resources to perform timely and cost-efficient, cylinder design, system analysis and repairs on their behalf.

CORE CAPABILITIES

Creatively solving our customers' hydraulic system breakdowns.



856-241-1145

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CORE CAPABILITIES:

Our in-house service capabilities include:

- Hydraulic cylinder, motor, pump, and valve repair
- MSD Cylinder bench with torque/re-torque up to 118,000 ft lb for quick teardown and assembly
- Pressure testing capability up to 10,000 psi
- 30 and 40 foot MSD hone benches
- DMH 600 Seal Machine capable of cutting 24" or 600mm custom seals
- Full machine shop including:
 - Haas CNC mill and Lathe
 - Five Axis Flow Mach 4 water jet
 - Poreba 12" hollow spindle bore lathe
 - Complete cylinder design and fabrication
 - Piston fabrication with rolled or turned threads
 - Reverse engineering of OEM products & parts
 - Tube and rod fabrication and components
- Full range of cylinder testing, repair, and replacement services
 - High pressure part washing equipment
 - Specialized paint booth
 - Rod repair & rechroming
 - Bore honing, welding, fabrication, chroming & repair
 - Failure analysis & corrective action assessments
 - Large hose and fitting stock with Hose fabrication (while you wait)

Our field services include:

- 24-hour system service and repairs
- Tubing fabrication and piping installation
- Troubleshooting and evaluations
- System flushing and fluid analysis
- Fluid filtration, dehydrators and equipment rentals
- Custom hoses fabricated onsite
- Monthly, quarterly and yearly system preventive maintenance

24 HOUR EMERGENCY SERVICE

We know how costly it is to be shut down. That's why we're always on the clock to get our customers' equipment up and running again.

OUTAGE SERVICES

We offer plant maintenance support for utilities, refineries, steel mills, manufacturing facilities and more.

INVENTORY AND COUNTER SALES

We carry a large inventory of hoses, fittings, couplings, and adapters, as well as a complete stock of raw materials including chrome rod, ductile iron, stainless steel, bronze and aluminum.

CUSTOM SEALS AND GASKETS

With our expert seal team we can recommend OEM replacement seals and gaskets as well as cut custom seals using our DMH 600 Seal Machine and extensive inventory of: HPU Urethane, NBR, Viton, Silicone, and PDM, Bronze, Virgin-Glass filled Teflon, Acetal, Nylon

COMPLETE HYDRAULIC SYSTEM ANALYSIS AND REPAIR

With years of experience in the fluid power industry, we can troubleshoot issues and carry out repairs on a wide variety of hydraulic equipment. From small mobile equipment to large complex systems, there's nothing we can't handle. We use our wide variety of specialty tools and specialized training to quickly identify issues within a failing system or component. As we partner with stocking distributors such as Rexroth, Sun, Eaton-Vickers, Parker, Danfoss, and many others, we can quickly secure a replacement part if we don't already have it on hand.

NEW SYSTEMS AND RETROFITS

Bringing a new hydraulic system online is often not a turn key endeavor. We're here to help our customers get their brand-new system up and running with fabricated tubing, pipe, and hoses to connect all the dots. Excel Hydraulics offers the flushing services many OEMs require and provide startup assistance and support.

Moving a unit or process? Recommissioning the equipment can often be harder than bringing a new system online. Our technical expertise in tube and piping fabrication helps customers get their system running like new.

FASSI CRANE PURCHASE, PARTS AND REPAIR NEEDS

As an authorized Fassi dealer, we're your one-stop shop for all your crane purchase and repair needs, offering you:

- Expert team of trained and certified crane mechanics
- Full machine shop, fabrication shop and hydraulic repair shop onsite
- One-stop shopping for all your crane purchase and repair needs (5% discount on parts for preferred customers)
- Large hose and fitting stock
- Direct warranty service processing, cutting warranty repair times
- Onsite preventive maintenance (PM) service and minor repair for Fassi cranes using our mobile truck
- Pick up/delivery of your truck from/to your site with our driver
- Free crane inspection with scheduled annual preventative maintenance.

HYDRAULIC SYSTEM PREVENTIVE MAINTENANCE

A little time spent on preventive maintenance can go a long way in saving significant downtime. We specialize in developing and carrying out a comprehensive preventive maintenance program for all hydraulic equipment. We perform regular PM on boom cranes, with a thorough inspection, lubrication, and filter changes. We also perform periodic PM at power plants and factories, which include filtering oil, cleaning hydraulic reservoirs, resealing valves, repairing leaks and inspecting hydraulic components.

HEAVY EQUIPMENT REPAIR

We service articulated cranes, telescopic cranes, forklifts, excavators, skid steers, man lifts, bucket trucks, dump trucks, scissor lifts, wet line systems, and many more.

SHIP RENEWAL AND REPAIRS

We service a wide variety of marine vessels in the commercial and government sectors, including tug boats, U.S. Coast Guard cutters, cargo ships, fishing boats, and barges. We can handle work on steering systems, davits, cranes, complete winches and windlasses. We remove and overhaul cylinders, accumulators, pumps and motors. We renew hoses with U.S. Coast Guard and ABS rated assemblies.

FULL CYLINDER AND MACHINE SHOP

We specialize in large rod and bore cylinders, stocking chrome rod sizes up to 8" and honed tube material up to 12". We have in-house cylinder benches with testing capabilities that can torque/re-torque up to 118,000 ft lbs. We also have several in-house lathes and mills to meet our customers' specific needs.

CUSTOM TUBING AND PIPING

We stock standard steel, zinc dichromate and stainless steel material in sizes up to 1 ½" and can bend material up to 1 ½" as well.

Steven Kempf Crane Project

On June 26th, 2017, Steven Kempf Building Materials <http://kempfcompany.com/> called for service on truck number 29, one of its Fassi Boom trucks from V&H Trucks. The FASSI F360SE crane on this truck, used to deliver wallboard to customers throughout the Tri-State area, developed a problem with its crane that prevented it from operating. Steven Kempf Building Materials, founded in 1994, has several trucks that are purpose-built for delivering materials to job sites.

Upon inspection of the truck, Excel Hydraulics' team of certified repair experts found that the base bearing on the crane was out of factory tolerance. To repair the base bearing, Excel's technicians completely disconnected the crane and removed it and the base from the truck. All the other bearings and components on the crane were also removed and inspected for damage.

The crane was reinstalled with an OEM replacement bearing from Fascan International. In addition to replacing the base bearing, we also removed the cylinder extension pack and rebuilt each cylinder back to factory specifications, with new seals and parts. To complete the repair, we replaced all the normal wear items, including the wear pads for the outrigger beams and various bushings throughout the crane.

Once the repair was completed, Excel's certified crane inspector re-certified the crane and delivered the completed crane and truck to Steven Kempf on time and under budget.

LINE BORING

With our multiple line boring machines, we perform in-house and field service repairs.

CUSTOM HOSE FABRICATIONS

We fabricate hoses out of high quality Parker components in-house or at your site. We stock a large variety of standard and metric ends and hoses in a myriad of sizes and pressure ratings. Have a leak on a piece of mobile equipment? We'll remove the hose, fabricate a replacement, reinstall it and get our customer back on the road. Can't bring the hose to us? Our skilled technicians make new hoses for cranes, heavy equipment, plant machinery, or marine applications at our customer's site with our fully-equipped field service hose van.

OIL FILTRATION AND PURIFICATION

Harmful effects of particulates and moisture in hydraulic systems impact equipment performance. Our team uses equipment, designed for hydraulic oil, turbine oil, lube systems, gear oil, phosphate esters and more, to perform flushing, filtration, and vacuum dehydration services on our customers' systems.

PUMP AND MOTOR REPAIR

We effectively apply our years of experience and relationships built with many OEMs to evaluate your pump and motor, suggesting repair options that are often more economical than replacement. If a customer's equipment is beyond repair, we can secure a replacement. No job is too small or too big. If it moves or is moved by oil, we can make it work.

CRANE INSPECTIONS

We conduct OSHA-certified mobile crane inspections.



NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS)

PSC CODES	
2020	Rigging And Rigging Gear
3040	Miscellaneous Power Transmission Equipment
4730	Hose, Pipe, Tube, Lubrication, And Railing Fittings
4810	Valves, Powered
4820	Valves, Nonpowered
4940	Miscellaneous Maintenance And Repair Shop Specialized Equipment
5330	Packing And Gasket Materials
J020	Maintenance, Repair, And Rebuilding Of Equipment- Ship And Marine Equipment
J023	Maintenance, Repair, And Rebuilding Of Equipment- Ground Effect Vehicles, Motor Vehicles, Trailers, And Cycles
J030	Maintenance, Repair, And Rebuilding Of Equipment- Mechanical Power Transmission Equipment
J048	Maintenance, Repair, And Rebuilding Of Equipment- Valves
K030	Modification Of Equipment- Mechanical Power Transmission Equipment

NAICS CODES	
238290	Other Building Equipment Contractors
325998	All Other Miscellaneous Chemical Product And Preparation Manufacturing
326220	Rubber And Plastics Hoses And Belting Manufacturing
332420	Metal Tank (Heavy Gauge) Manufacturing
332710	Machine Shops
332721	Precision Turned Product Manufacturing
332813	Electroplating, Plating, Polishing, Anodizing, And Coloring
332911	Industrial Valve Manufacturing
332912	Fluid Power Valve And Hose Fitting Manufacturing
332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
333613	Mechanical Power Transmission Equipment Manufacturing
333995	Fluid Power Cylinder And Actuator Manufacturing
333996	Fluid Power Pump And Motor Manufacturing
333999	All Other Miscellaneous General Purpose Machinery Manufacturing
335312	Motor And Generator Manufacturing
336611	Ship Building And Repairing
339991	Gasket, Packing, And Sealing Device Manufacturing
423610	Electrical Apparatus And Equipment, Wiring Supplies, And Related Equipment Merchant Wholesalers
423830	Industrial Machinery And Equipment Merchant Wholesalers
811310	Commercial And Industrial Machinery And Equipment (Except Automotive And Electronic) Repair And Maintenance

GENERAL INFORMATION

Registered Company NameExcel Hydraulics LLC
 Year Incorporated 2001
 State of IncorporationNJ
 Corporation Type Service and Repair
 D-U-N-S Number 115415981
 CAGE Code 33WG2
 Tax ID number 22-3827296

CONTACT INFORMATION

Voice 856-241-1145
 24 Hour Emergency Hotline 856-207-2600
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 Email service@excelhydraulics.com
 Web www.excelhydraulics.com
 LinkedIn www.linkedin.com/company/excel-hydraulics-llc

HOURS OF OPERATION

Monday to Friday - 7:30 a.m. to 5:00 p.m.
 Saturday - 7:30 a.m. to 4:00 p.m.
 Sunday - Closed

Corporate Office: 152 Berkley Road, Clarksboro, NJ 08020 | Gilbertsville Office: 3186 N Charlotte St, Gilbertsville, PA

Featured Clients

Cylinder and Machine Shop Repair Customers

Aluminum Shapes - Delair, NJ
Amtrak - Wilmington, DE
Arcelor Mittal Steel - Coatsville, Coatesville, Steelton
Carpenter Technologies - Reading, PA
Chalmers & Kubeck - Aston, PA
Coatesville Scrap Iron and Metal - PA
Covanta Energy - Delaware Valley - Chester, PA
Camden, NJ - Essex, NJ - Lancaster, PA
Newark, NJ - Hempstead, NY - Westbury, NY
Drug Plastics - Boyertown, PA
Dupont - Pencader, DE
Durabond Pipe - Export, PA
Greenwich Terminals - Philadelphia, PA
JPC Group - Philadelphia, PA
Premier Concrete - Broomall, PA
Richard Pierson Construction - Pilesgrove, NJ
Sapa Group - Cressona, PA
Silvi Concrete - NJ and PA Locations
Standard Steel - Burnham, PA

Marine and Ship Repair Projects

MSC Lopez - Philadelphia, PA
MSC Stockham - Philadelphia, PA
MSC USS Wright - Philadelphia, PA
USCGC Aspen - San Francisco, CA
USCGC Steadfast - Astoria, OR
USCGC Tahoma - Portsmouth, NH
USCGC William Tate - Philadelphia, PA
USNS Bob Hope - San Diego, CA
USNS Fisher - Philadelphia, PA
USNS Gialliland - Philadelphia, PA
USNS Guam - Philadelphia, PA
USNS Pilillau - New Orleans, LA
USNS Supply - Philadelphia, PA
USS Kennedy - Jacksonville, FL

Material Handling Customers

Bell Supply - Pennsauken, NJ
Builders First (Probuild) - Dallas, TX
Capital Interior Products: PA, NJ, DE
Dana Wallboard - Tyngsboro, MA
JR Kakley - Springfield, MA
State Line Building Supply - DE
Steven Kempf - PA
Tague Lumber - Kennett Square, PA

Field Service Support Clients

Aleris - Clayton, NJ
Covanta Energy - NJ and NY Based plants
Eastern Metal Recycling - Camden, NJ
Johnson Matthey - Conshohocken, PA
OSG Ship Management - Tampa, FL
Philadelphia Ship Repair - Philadelphia, PA
Philly Shipyard - Philadelphia, PA
Zacros - Schaumburg, IL

Local Business, Farming and Agriculture Customers

Cavallaro LLC - Swedesboro, NJ
Creamy Acres Farms - Mullica Hill, NJ
Eastern Lift Truck - Franklinville, NJ
Kenco Toyota Lift - Cinnaminson, NJ
RE Pierson Materials - Pilesgrove, NJ
Sorbello Farms - Elmer, NJ
Stecher Farms - Sewell, NJ
S&J Leone Farms - Clarksboro, NJ
Thackray Crane - Philadelphia, PA

Aluminum Shapes Cylinder Repair Project

Excel Hydraulics and M-line seals received an emergency call from Aluminum Shapes in May 2017 regarding one of its cylinders from Hunger Hydraulics that is used for aluminum casting. The cylinder had developed a severe leak from the rod packing on the gland head and had become inoperable, causing a shutdown in the plant. To meet its customer commitments, Aluminum Shapes needed to diagnose the problem quickly and develop a plan to get the hydraulic casting system back up and running as fast as possible.

Excel Hydraulics' team of experts determined that the cylinder rod was damaged by an external force which then ended up causing additional damage to the internal components and mechanical seals in the cylinder.

Our technicians worked around the clock to disassemble the custom internally-guided Hunger Hydraulics cylinder, inspect the failed parts and repair the damage. With help from Excel Hydraulics' seal expert Duff Helmers, Excel was able to redesign, upgrade and manufacture replacements for the OEM seals and wear bands using our DMH 600 seal machine. Excel Hydraulics repaired the damaged rod, tested it on its custom designed cylinder bench and delivered it back to Aluminum Shapes on Monday morning, approximately three days after it was received and ahead of schedule.

"Excel specializes on emergency repair work and we thrive in an environment where we are up against the clock to meet our customer's needs," shared Bob Chew, Excel Hydraulics' owner and CEO.



We Work With Featured Brands In The Following Industries:

Cylinders and Hydraulics

Airline Hydraulic www.airlinehyd.com
 Berendsen Hydraulics www.bfpna.com
 Bosch Rexroth www.boschrexroth.com
 Custom Hoists Inc. www.customhoists.com
 Danfoss www.danfoss.us
 Danieli Corp extrusion www.danielicorp.com
 Eaton - Hydro-line www.eaton.com
 GFM gripper www.agfm.com
 Hallite..... www.hallite.com and logo
 Hanna Cylinders www.hannacylinders.com
 Hercules Sealing Products www.herculesus.com
 Hunger Hydraulic www.hunger-group.com

MailHot Industries www.mailhotindustries.com
 Merkel Packing www.merkelseal.com
 Miller fluid power www.parker.com
 M-line/ID Technologies Seals www.mlineseals.com
 Ortman Fluid Power www.ortmanfluidpower.com
 Parker Cylinder Coils..... www.parker.com
 Parker Hannifin www.parker.com
 RG Group www.rg-group.com
 SEPCO USA..... www.sepco.com and logo
 Sheffer www.sheffercorp.com
 Yates www.yatesind.com



All Heavy Equipment, Cylinders, Pumps And Motors

Cat, Komatsu, John Deere, Hitachi, Case, Kobelco, Liebherr, Kubota, Sennebogen, JCB, Grove Crane, Ferguson, Terex, Volvo, Yanmar



Truck Chassis (and Support Cranes)

Westernstar www.westernstar.com
 Paccar www.paccar.com
 Peterbilt www.peterbilt.com
 Kenworth www.kenworth.com
 International www.internationaltrucks.com

Marine Cranes

Appleton www.appletonmarine.com
 Allied Systems www.alliedsystems.com
 Palfinger Marine www.palfinger.com/marine

Hoses, Fittings, Filters, and Parts

Parker www.parker.com
 Dixon www.dixonvalve.com
 Worldwide metric www.worldwidemetric.com
 Kuriyama industrial hose www.kuriyama.com

Adaptall fittings www.adaptall.com
 Voss metric fittings www.voss.de/en/fluid
 Donaldson filtration systems..... www.donaldson.com
 Norman filters www.normanfilters.com

