



Leading Edge

Protecting Your Business for a More Sustainable Future

HOTSHOT & SAME DAY
Local Deliveries available for orders
placed by 2 p.m. EASTERN TIME

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CASE STUDY:

Hydraulic Cylinder was losing oil, efficiency and causing a hydraulic fluid puddle

This hydraulic ram on an automotive assembly line hoist was cored and pitted causing loss of hydraulic oil, efficiency, and a hydraulic fluid puddle that led to a potential trip/slip/fall hazard.

The company already had a PO ready to go but not issued yet to send the hydraulic ram out for rechroming. The PO was \$20,000.00 plus transportation cost and would lead to at least two weeks of production loss, resulting in millions of dollars lost due to downtime.

AN UNCONVENTIONAL SOLUTION:

You can use **RESIMETAL 101** to repair a hydraulic ram, pipes, cracked engine blocks, worn bearing housings, sloppy keyways, shaft journals, spline repairs and more. For a faster repair you can use **RESIMETAL 106 XF**.

To complete this repair, you would degrease the ram with **USI Universal Cleaner**. After degreasing the ram the first time, heat the ram to bring out excessive oil to the surface. Solvent degreaser again with USI Universal Cleaner, then drill a series of holes at the end of the scores to prevent spider cracking.

You can then apply RESIMETAL 101, or RESIMETAL 106 XF by mixing according to the TDS. After curing for 2 hours for 101 or 45 minutes for 106, you can come back and machine it with emery cloth.

The entire repair process should take less than six hours and be ready for production the next day. This will help minimize downtime and provide significant savings over a complete ram replacement. Similar repairs have lasted 3+ years without a failure.

Want to cut down on your repair expenses and boost your company's efficiency? Reach out to a representative from Unconventional Solutions today!



Resimetal 101 Industrial Epoxy Metal Repair Paste/Glue

Resimetal 101 Industrial Epoxy Metal Repair Paste/Glue is a two component solvent-free epoxy metal repair compound designed to fill surface

erosion & corrosion on metallic surfaces. The material can be applied to mechanically or abrasive blast cleaned surfaces and once cured will retain high mechanical adhesion to metallic substrates. The thixotropic nature of the product means it can be applied at thicknesses up to 25mm without sagging and can be machined to fine tolerances.



Resimetal 106XF Metal Repair Paste

Resimetal 106 XF Metal Repair Paste is a fast curing two component solvent free epoxy metal repair compound.

The product has been designed for use on a wide range of metallic surfaces and once cured is readily machinable.

- Solvent free epoxy technology
- 5 minutes usable life
- Fully cured in 60 minutes
- Bonds to any metal surface
- Can be applied underwater



Peat Sorb is a lightweight non-biodegradable natural organic absorbent made from 100% Canadian Sphagnum Peat Moss. Absorbs cleanly and completely on contact. Clean ups are exceptionally quick and easy. Absorbs

hydrocarbons instantly on land and on water. Leaves no messy residue to clean up. Suitable for manual or mechanical cleanup.

- Non-Toxic
- Silica-Free
- Vapor Suppressive
- EPA Approved
- Coast Guard Approved
- Michigan State University Tested
- Non-Hazardous
- Non-Abrasive
- Non-Leaching

DATES TO REMEMBER

January 16
SEMPPE Meeting Bakers of Milford
(Milford, MI)

**JOIN US EVERY OTHER WEDNESDAY
FOR OUR #TECHTALK PODCAST**

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<https://www.linkedin.com/company/unconventional-solutions-inc/>



Unconventional Solutions, Inc.
Repair - Protect - Upgrade

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