

CAST IRON
REPAIR

In Stitches

"FIRST AID FOR METAL"

ON-SITE MACHINING
SOLUTIONS

www.castironrepair.com
info@castironrepair.com

Metal Locking Service Quarterly Newsletter
Summer 2007 Edition

PH: (866) FIX-IRON

Near and Far—Metal Locking Service Inc.'s on-site machining division, MLS Machine Shop, continues its rapid growth through recent work such as this high-lighted job for Astilleros Braswell Shipyard in Balboa, Panama. Emergency on-site machining of 4 propeller blades for Malaga Carrier was accomplished through the immediate dispatching of crews and equipment. Our on-site response was within 48 hours of the initial inquiry and our Climax FF6 Flange Facer made quick work of job allowing the carrier to meet its scheduled pickup.

Stateside work was completed for German press manufacturer Schuler Inc. at Ford Stamping. Eight holes measuring 110mm in diameter were cored through 17" thick steel while working underneath the press. Special bits were manufactured to allow for pressurized coolant to reach the end of the tooling which totaled 20" in total length. Three other stateside plants are scheduled for this in-situ machining.



On-site Machining of thrust face



1 of 4 Aluminum bronze blades



Deep hole boring

Latest Addition - Due to our ever-increasing list of international clients and stricter travel requirements, we are happy to announce that we have hired Katherine Schreckenberger to head up our Logistics department. Katherine will be responsible for all international travel and shipping arrangements as well as supplementary help for our domestic requirements. Katherine holds a B.S. degree from the University of Buffalo and has worked in similar industrial environments for over 25 years.

ENERGY EFFICIENCY AND MOTORS Save energy by improving motor efficiency. Try the following to improve motor efficiency: **Establish a regular preventive maintenance schedule** for all heavily used equipment. Pressure vacuum and/or clean motors with rags and brushes to reduce build-up. Check for adequate lubrication and inspect drive belts. **Install filters in larger, enclosed motors to minimize corrosion and dust.** **Cover grease gun nozzles when not in use**, to keep out dust and other foreign matter. **Check motor alignment following installation; incorporate periodic alignment checks into preventive maintenance schedules.** And finally, **Replace older motors with premium-efficiency motors.**