

# BIG UNIT TIMES

Service | Quality | Innovation

## What's New

IDC recently launched an in house app to help guide us through the gearbox teardown process. When a gearbox comes in for repair, the app gives us a step-by-step guide of the process. All of our mechanics are operating iPads on our shop floor. This aids in our quality control ensuring that we do not miss a step and document any damage properly. Our purchasing department gets real time lists of materials like bearings, seals, and hardware while the gearbox is still being disassembled that can be purchased right away. The app also generates a report with photos that we can send to our customers. The innovative IDC teardown app sets us apart from our competition.



## Emergency Repair Experts

Recently, IDC has been flooded with emergency break downs. One of them came from one of the largest cement mills in the country. One of their raw grind planetary gearboxes was in desperate need of a bearing change out. Because the plant needs to continue to run, we were left with a limited time to do a repair. We received the gearbox on a Monday evening. Our team of mechanics disassembled it and our engineers assessed the damage. We determined that we needed to replace all the bearings and seals, rework a bearing bore, add a couple new keyways, and ceramic coat seal diameters. Once that was completed, we assembled, no load tested, painted, then delivered within 48 hours of receiving it. The box is back at the mill and running great! We plan to do the same repair on the same type of gearbox for this customer in January. Below are before and after photos.



BEFORE



AFTER

## Did you know?

We design and build our own lube skids. Lubrication is extremely important for the longevity of your gearbox. Since we like to see your gearboxes last, we will design a lube skid custom to fit your Big Unit. If your gearbox is running too hot, give us a call at 586-427-4321.



## IDC Does It Again

On Friday night after hours, IDC received a shear gearbox from a major steel mill. The input bearings had failed. After disassembly, we inspected all of the gearing in our state-of-the-art Klingelnberg gear checker to confirm it was up to AGMA standards. After inspection, all the gearing was reusable. We were able to restore the housing instead of replacing it by reboring two bearing bores in our shop. This was made possible by our HNK boring mill. After repairing the housing, we replaced bearings and added new spacers. Once assembled, we tested the gearbox under no load, painted, and shipped. It arrived back to the steel mill on Tuesday. We had a team of skilled mechanics working around the clock to get this mill back up and running. At IDC, we understand how costly customer's down time can be. As a result, IDC invests in state-of-the-art equipment and effectual personnel to minimize customer down time. This was another satisfied customer and a victory for the IDC team. Below you can see a photo of the gearbox as we received it.

