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PTO Quill Shaft Repair

This 14-foot PTO quill shaft for a 1,000' ore carrier was damaged on the bearing and seal surfaces due to bearing failure. Repair procedure consisted of machining the centers, bearings and seal surfaces for complete cleanup and to maintain concentricity; copper plate approximately .015 per side; machine and nickel-plate to specifications.



Shaft is plated with copper for build up & filling gouges from bearing failure. Also prepared for nickel plating



Using a flow through anode nickel plating is in process.



The quill shaft is set up in a lathe for rotation during plating process to obtain a uniform build up.



Plating repair is inspected & completed to Mfg. specifications.