

Installing New Hydraulic Lines in Local Copper Mill

Location: Copper Mill – Cutting Saw Application

Time allowed: 5 days max



Problem

When Excel Hydraulics was tasked with running new 1" SS hydraulic lines in a local copper mill, they knew the project would come with challenges. Temperature, pressure, vibration and pulsation would be problematic for standard JIC connections. Welding in narrow trenches added other challenges. The equipment was a nest of pumps, electrical lines, hoses and leaking joints. Many of the connections were in a trench with limited access. The cost of downtime was a concern for the mill management.



Solution

Jason Scheuren, the Senior Field Tech with Excel Hydraulics is no stranger to hydraulic piping challenges and well versed in Lokring. After studying flows, Jason presented the customer with a Lokring solution in Tubing. The Tubing allowed him to make bends and reduce the number of connections. The Lokring "U" shaped Loktool would allow access to the trench and provide fast installs. The Lokring capability in high vibration applications was the right decision.



Results

Jason and his team went to work. The job was staged, pipes cut and bent to length, pipe ends cleaned, and couplings installed. 1200 ft of tube were installed in less than 36 hours with no hot work, no leaks and minimal plant interruption. Another successful install for Excel Hydraulics.