

## CASE STUDY



# LOG CARRIAGE WHEELS

**Material Replaced:** Steel

**Application:** A log carriage is a framework that carries lumber on tracks or grooves parallel to the face of the saw. Traditional steel wheels cannot adequately absorb the frequent impact of carriage loading and/or operation over time. This constant impact can result in damage to wheel bearings due to stress cracking and race/retainer fracture. Plus, the steel wheel on a steel track can also cause excessive wear on the track itself which can lead to expensive downtime and disrupt the flow of the mill.

**The CNL Advantage:** NYCAST® 6PA and NYCAST® MP cast nylon materials allow the wheel to better absorb the impact associated with normal carriage operation. NYCAST cast nylon carriage wheels minimize the possibility of bearing failure caused by fractures and also eliminate the excessive track wear common with traditional wheels. At half the weight of steel, NYCAST cast nylon wheels are easily handled, which simplifies the change-out process and reduces carriage downtime.