



## TOW TRUCK WEAR PADS

**Material Replaced:** Lubricated Steel, Bronze or UHMW

**Application:** Manufacturers of tow trucks and hauling equipment typically use lubricated steel, bronze or UHMW for the wear pads in their lifting boom and hydraulic lift legs. In the lifting boom, the wear pads are found in the articulating section of the boom, allowing the boom to slide in and out. The hydraulic stiff legs are anchored to the ground to keep the truck from moving when lifting a heavy vehicle like a city bus. The wear pads are press fit into a steel outer sleeve and then welded to the internal wall of the boom. Although the metal bearing surfaces are durable, they often require constant lubrication to maintain acceptable frictional values and wear rates. UHMW can offer a low cost, lubrication-free operation, but cannot handle the high loads of the boom type applications.

**The CNL Advantage:** NYCAST® 6PA MoS<sub>2</sub> cast nylon offers a cost-effective material that exceeds the characteristics required for proper lift performance. Although some end users utilize grease, the need for external lubrication is not necessary because NYCAST 6PA MoS<sub>2</sub> has built-in lubrication. In addition, the high compression strength and deformation resistance of NYCAST 6PA MoS<sub>2</sub> cast nylon prevents wear pad damage from side loading and ensures the long-term operation of the lift mechanism.