MicroPoly® LUBRICANTS

**LUBE ARC APPLICATIONS SOLID PROFILES**

## CASE 29: Overhead Cranes

**MICROPOLY:** MicroPoly Lube Arcs for wheel flanges on overhead cranes

**CONDITIONS:** An automotive manufacturer was experiencing excessive flange wear and premature wheel failure. Wheel life was less than 12 months. Average wear rate on the wheels was 0.542 mm/month.

**RESULTS:** MicroPoly Lube Arcs were installed on the wheels, and the wear rate was reduced to 0.044 mm/month. Lube arcs have been in place for over three years and in that time no wheels have been replaced. The customer reports that they will save $527,900 over 10 years by installing the MicroPoly lube arcs on three cranes. Cost savings is based on purchasing fewer wheels over the life of the crane and does not include savings from the downtime and labor involved in replacing the wheels.

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