

# Gear Hobbing Success

**Aerospace, Automotive, Marine,  
Medical, Military (USA)**

**Performance Bio<sup>®</sup> NC Plus and SW 68 PBL\***

**CURRENT SAVINGS: \$1,631 (one machine)**

**POTENTIAL SAVINGS: \$25,000 (all machines)**



## THE SITUATION

A large customer that supplies multiple parts to various industries was struggling to get the desired tool life on their gear hobbing operations. Currently running a trial on one of the lower volume hobbing operations.

## BEFORE

- Getting 2500 parts per tool
- Changing and regrinding tools weekly
- Recycled mineral-based cutting fluid constantly getting contaminated with ISO 68 waylube

## THE SOLUTION

- By utilizing environmentally responsible products, better lubricity and superior performance was achieved.
- Increased machine run-time potential by 94 hours per year.

- **88% increase in tool life**
- **94 hours of additional machine uptime**

## AFTER

- Achieved 4700 parts per tool
- Changing and regrinding tools about every other week
- Using plant-based cutting fluid (NC Plus) and waylube (SW 68 PBL) to eliminate contamination and fluid degradation

**Parts per tool**

