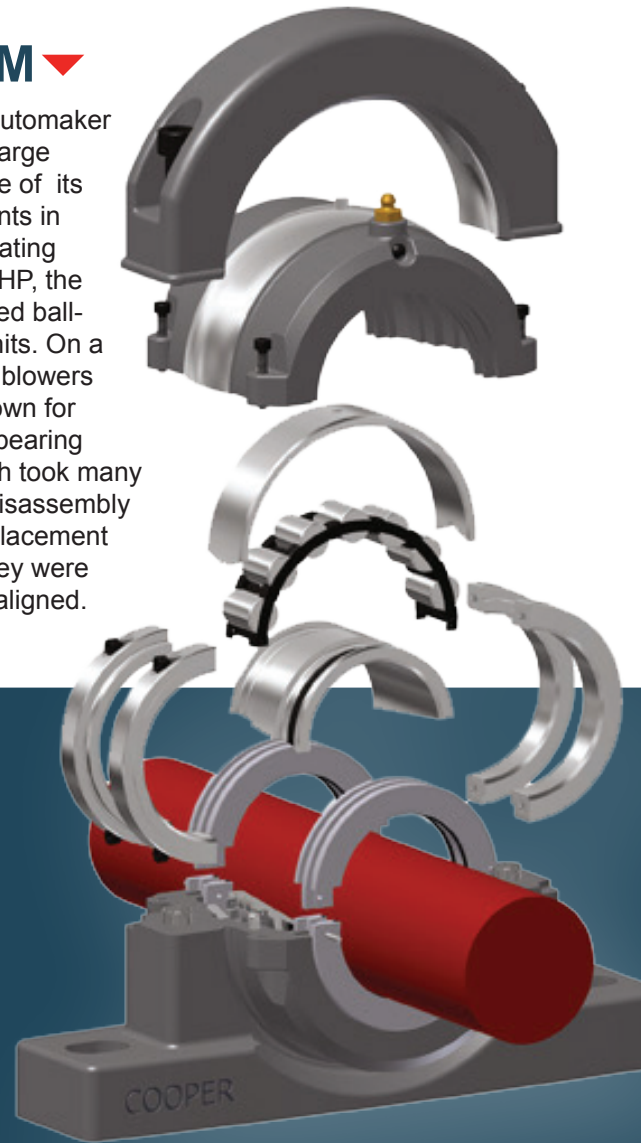




# BDI Teams With Cooper Split Bearings to Deliver Extended Fan Life

## PROBLEM ▼

A leading Detroit automaker relied on multiple large blowers to cool one of its largest casting plants in the Midwest. Operating continuously at 50HP, the fan assemblies used ball-bearing-housed units. On a regular basis, the blowers had to be taken down for maintenance and bearing replacement, which took many hours. Following disassembly and inspection/replacement of the bearings, they were reassembled and aligned.



## THE SOLUTION:

BDI worked with the plant engineer to test Cooper split bearings on a #7-2 Cupola blower. The bearing design allowed replacement without disassembling the fan and motor.

## SUCCESS MADE EASIER:

In the first two years after installing Cooper split bearings on the fans, the plant saved \$277,146 in reduced man hours and downtime.

While initially projected to last five years, the originally installed bearings have performed far beyond their expected life and are still in operation 10 years later! The multi-year savings are an enviable \$1.4M.



Contact your local BDI branch for more information on application analysis and other BDI Solutions.