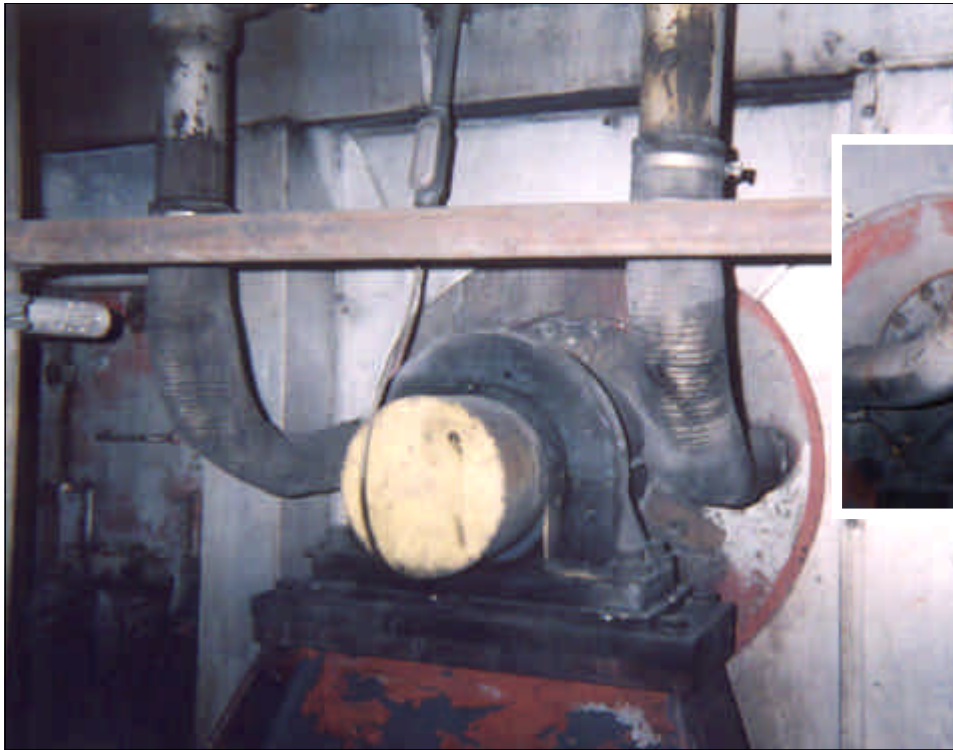


# Cooper Bearings Provide Quick Bearing Changeout



**COOPER**<sup>®</sup>



Left and below: This fan application uses both Cooper 02 BCP 500 EX (Expansion) and GR (Fixed) bearings on a powerhouse pulverizer primary air fan.

In Cooper nomenclature the 500 identifies the bearing size. The last two digits represent 16ths of an inch and this application uses an 02 BCP 500 which is an 02 Series 5" Bearing, Cartridge and Pedestal.

The bearing on this pulverizer primary air fan for a power generator was converted from a sleeve oil bearings approximately eight years ago. It is grease lubricated and the Cooper 02 Series has solved heating up problems experienced previously.

02 Series BCP 500 (5" Bearing, Cartridge and Pedestal), EX (Expansion) and GR (Fixed) split roller bearings are installed on the main drive shaft. Smaller sizes of Cooper BCP's are also used .

The pictures show the 1800 RPM 5" bearing installed on this business critical primary air fan. It is a priority for the customer to be able to undertake a very quick bearing change should the need arise.

One of the main benefits of using a Cooper split to the shaft roller bearing is the totally split to the shaft feature permits easy access for installation and inspection without removal of adjacent equipment. or a complete plant stripdown.

In addition, the Cooper hallmark split to the the shaft feature provides sealing that always remains concentric to the shaft which keeps out foreign matter and retains the lubrication.

Inspection and maintenance is carried out in the shortest possible time giving more uptime and less maintenance which contributes to higher efficiencies and profitability.

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