



BEARING & POWER TRANSMISSION SOLUTIONS

Case Study

Diamond DURALUBE®



INDUSTRY

Foundry

APPLICATION

Sand Conveyor Drive Chain

PROBLEM

The sand conveyor drive chain in a South Australian foundry involved in the casting of ferrous metals operates in an arduous environment with the exposure to sand particles causing lubrication difficulties and consequent premature failure of the transmission roller chain. The previous chain required regular replacement – every 3 months!

SOLUTION

BSC inspected the application and recommended Diamond DURALUBE® chain. DURALUBE® is constructed using a one- piece powdered metal bushing / roller combination which has lubricant drawn in under vacuum. In service, this lubricant is released and provides supplemental lubrication.

BENEFIT

The Diamond DURALUBE® was fitted back in March 2002, and only replaced for the first time in August 2007. The foundry calculated the savings achieved through a combination of production downtime, maintenance and materials savings to be \$105,000.

