

PROBLEM SOLVER

SOLID OIL SOLVES WASHDOWN FAILURES

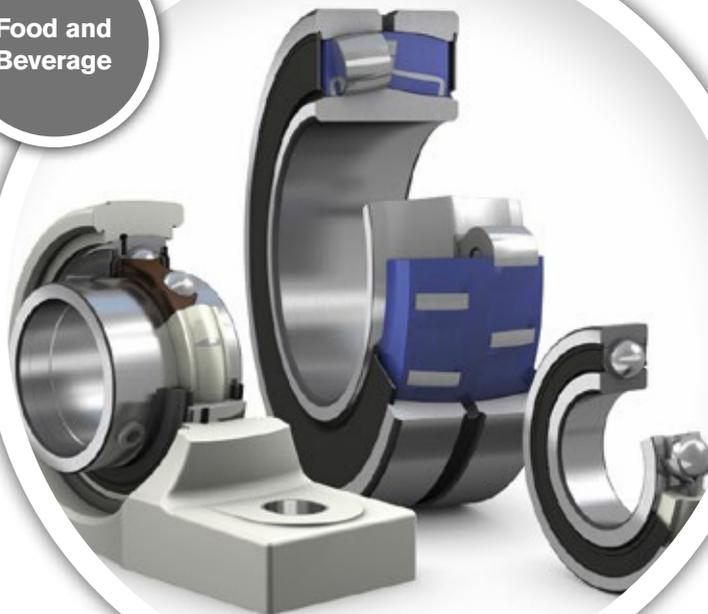


Problem: A large dairy were having issues during their constant washdowns, they were using a high-pressure water based cleaning method combined with caustic cleaning agents. This was causing the bearing seals to be compromised, leading to the lubricant leaking out and subsequent premature bearing failures.

Solution: **SKF bearings with Solid Oil** were selected for use in this particular instance, due to the unavoidably high levels of moisture and other potential contaminants. SKF Solid Oil is an oil saturated polymer that virtually fills up all internal free space within the bearing. The polymer material has a porous structure, with millions of micro-pores, that hold the lubricating oil retained by surface tension.

In service, oil is released from the material into the narrow gaps between it and the bearing components, thus providing effective minimum quantity lubrication which will not be washed out of the bearing, drastically reducing unexpected failures and reducing high levels of downtime.

Food and
Beverage



Ref: P5033