

# Feed processor saves thousands on maintenance by moving to SKF Cooper split bearings



## The problem

The maintenance (4-year cycle) of a 600-bucket feed mill elevator was becoming prohibitively expensive. Each service involved hiring of a crane and removal of the roof. This was because the bearings (SF75/1075/75) were in trapped locations, with a 13-1 gear reduction box on the shaft. In addition, the abrasive grain dust was negatively impacting the life of the bearings, threatening to increase maintenance frequency.

## The solution

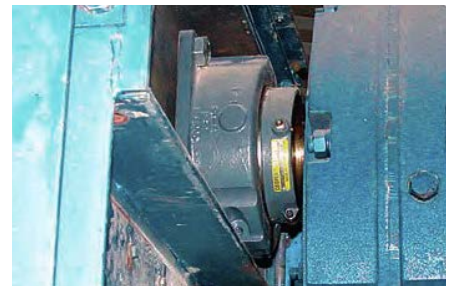
It was determined that the problems arising from restricted access could be eliminated by substituting SKF Cooper split-to-the-shaft roller bearings for the solid bearings originally installed. The bearings recommended by SKF Cooper were 01EBCDFN 75 mm EX (Expansion) and GR (Fixed).

## Benefits

The new bearings (see pictures) can be dismantled and reassembled by hand. Access for inspection and greasing is simple and rapid. All the bearing parts can be removed from around the shaft if necessary. As a result:

- No disturbance (or even rotation) of the shaft is required
- No on-shaft items (such as the reduction box) need to be moved
- No cranes are necessary
- No removal of the roof or other building parts is necessary

In addition, the SKF Cooper bearings have a self-aligning cartridge structure that helps ensure seal integrity by keeping lubricant and dust out, thus prolonging bearing life.



### SKF Cooper split roller bearings: major potential savings for bucket elevators in all industries

Instant accessibility for inspection and maintenance makes SKF Cooper bearings ideal for use in trapped locations in industries such as energy, chemicals, mining, marine, food and feed. Their robust construction and self-aligning cartridge structure underpin their resistance to deterioration even under dusty, wet or corrosive conditions.

For more information, visit our website [www.cooperbearings.com](http://www.cooperbearings.com)

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