



# POWER PLANT INCREASES BEARING LIFE WITH SHELL GADUS S5 V220 2

TOTAL ESTIMATED ANNUAL CUSTOMER SAVING **US\$10,000**

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**LOCATION:** USA

**APPLICATION:** SKF 23138CCK/ C3W33 crushers and conveyors

**KEY EDGE:** Shell Gadus S5 V220 2

**Increase**  
**IN PLANT**  
**PRODUCTIVITY**

**Shell**  
**GADUS**

## CHALLENGE

A US coal-fired power plant was operating a tunnel conveyor moving around 9,600 tons of coal per day. The company wanted to **extend bearing life to reduce maintenance time and the risk associated with the replacement process.**

## SOLUTION

The Shell Lubricants team **recommended Shell Gadus S5 V220 2 based on a review of the application and viscosity calculations.** Changes to greasing practices were also suggested, including timing of re-greasing and calibration of grease guns.

## OUTCOME

**The company has not experienced any bearings failures since converting to the new product** - compared to one every 576 hours in the first quarter of 2016. Bearing operating temperatures also dropped around 10°C.



## VALUE

The reduced maintenance and increased productivity has delivered **estimated annual savings of US\$10,000.**

The savings indicated are specific to the calculation date and mentioned site. These calculations may vary from site to site and from time to time, depending on, for example, the application, the operating conditions, the current products being used, the condition of the equipment and the maintenance practices.