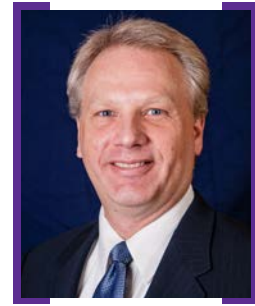


Bearing Good News



This issue's focus on bearings includes a number of important and informative articles about one of the most key components in any machine design.

Some of you are already familiar with our bearings blogger, Norm Parker, who has been writing for us for a number of years. His blog on powertransmission.com includes insights and tips from someone who's in the trenches, specifying and buying bearings every day for a big three automobile manufacturer. But we know that many of you prefer to read your articles in print, and some of Norm's posts are just too good to miss, so we've reproduced some of the recent ones here as a sort of introduction (or reintroduction) to the blog.

We also have a bearings maintenance article from Will Cannon at Baldor Electric. In "The Hidden Cost of Incomplete Hydrodynamic Bearing Maintenance," Cannon explains why less expensive repairs might be much more expensive in the long run. By looking at the maintenance of a bearing over its entire lifetime, it becomes clear that the long-term costs are what's most important.

Leo Dupuis of Bosch Rexroth describes the steps taken to better understand the performance and specification of composite radial bearings used in large hydraulic cylinders. "Performance Testing of Composite Bearing Materials for Large Hydraulic Cylinders" explores the significance of inclusions in the material structure as well as friction response of different materials.

Finally, we sent Senior Editor Matt Jaster to visit the SKF seals investigation facility in Elgin, IL, where the company investigates the root cause of rotating equipment failure and analyzes how seals react under various environmental conditions.

But as you know, we're not just about bearings here. There's plenty more to read, including articles on clutches and brakes, motor basics and gear design. In this issue's "Ask the Expert" column, *Gear Technology* technical editor and blogger Chuck Schultz answers a reader's question about high-performance gear materials.

Speaking of "Ask the Expert," our team is putting together another version of "Ask the Expert LIVE" to be held at Gear Expo 2017 in Columbus, OH (October 24-26), and one of the sessions will definitely focus on gear design. We're currently putting together our panel of experts and selecting the topics for this live version of our popular column. The first "Ask the Expert LIVE" was held at Gear Expo 2015, and you can see examples of the sessions by visiting www.geartechnology.com/videos.

As always, we welcome your submissions of questions for "Ask the Expert" - both the live version at Gear Expo and the print version that appears each issue. If you have technical questions on any power transmission and motion control topic, we'll help you get answers from the most knowledgeable people in the field. Just send your questions directly to Senior Editor Jack McGuinn (jmcguinn@powertransmission.com).

But we also encourage you to come to Gear Expo in October. It is definitely not too soon to start making plans. The AGMA has been building the show with each edition, and it has grown to become a significant power transmission show, in addition to being the world's premier gear manufacturing show. We'll be there, and we hope you will be, too.

A handwritten signature in black ink that reads "Randy Stott". The signature is written in a cursive, flowing style.