

Charles S. Fischer Appointed VP Technical Division

The American Gear Manufacturers Association is pleased to announce the appointment of Charles S. Fischer as Vice President of the Association's Technical Division effective March 1, 2007.

Mr. Fischer joined AGMA in 1994, after 19 years at Philadelphia Gear. As a senior engineer and assistant manager of AGMA's Technical Division, he has been responsible for liaison activities with many AGMA Technical Committees, standards editing, educational meetings and assisting with the ISO standards development process.

Making the appointment, AGMA President Joe T. Franklin, Jr. said, "AGMA is fortunate to have an employee like Charlie who is well versed in both the technical activities of AGMA and in business management issues.

"In his 20 years with AGMA, Bill Bradley has broken new ground for the association and the industry especially on the international front. I know Charlie will continue AGMA's long tradition of technical excellence and, because of his knowledge of business issues, will be key to better integration of the technical solutions with the industry's business needs."

AGMA Chairman Stan Blenke (Executive VP,

Schafer Gear) praised the decision noting, "Promoting Charlie is well deserved recognition of his contributions to the industry and the association and, more so, to his vision for both the Department and the AGMA as we move forward."

Ed Lawson, Chairman of AGMA's Technical Division Executive Committee, (Director of Metrology, Gleason M&M Precision Systems) congratulated Charlie, "From working with Charlie on a number of projects, I know him to have a great love for our industry and for AGMA. I know his detailed understanding of the technical needs of the industry and the capabilities of the AGMA will be of great value."

Charlie holds a BS in Mechanical Engineering from Drexel University and Master of Administrative Science from Johns Hopkins University. He can be reached at AGMA Headquarters; direct dial: (703) 838-0058, e-mail: fischer@agma.org.



Gearbox CSI: Forensic Analysis of Gear & Bearing Failures — Useful Tools For Optimizing Gearbox Design

Presented by: AGMA, AGMA Foundation, Raymond Drago, P.E. & Joseph W. Lenski, Jr., Drive Systems Technology, Inc.

Gearbox failures are not always related to predicted B-10 bearing life and gear service factor calculations. Forensic analyses of gear and bearing failures show that only a few of these failures are the result of true fatigue (B-10 or basic gear rating). Many failures, although fatigue in basic origin, are the result of other contributing factors, often of such magnitude that they overshadow the basic gear and bearing rating considerations. Therefore, careful evaluation of the results of forensic analysis must be given in the design of gearboxes to achieve the best gear and bearing performance possible. Forensic analysis has become an important gearbox designer's tool.

The objective of this seminar is to provide a better understanding of various types of gears and bearings and educate the designer with the limitation and capabilities of rolling element bearings and the gears that they support, so that the designer can properly apply the best gear - bearing combination to any gearbox, whether simple or complex.

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