



New Hampshire Ball Bearings, Inc.
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Rolls-Royce Recognizes NHBB's Exceptional Service

Executives from Rolls-Royce visited HiTech recently to recognize the company for outstanding service on two engine programs. During a brief ceremony in front of approximately 100 employees, Andrew Draine, Program Director for Rolls-Royce's M250® and RR300 engines, thanked NHBB and its employees and presented a plaque to NHBB's President, Gary Yomantas.

"On behalf of Rolls-Royce, I want to thank New Hampshire Ball Bearings for its exceptional performance in support of the M250® and RR300 helicopter engine programs," said Mr. Draine. "During the past three years, NHBB has demonstrated outstanding, professional, dedicated, and high-quality work. As a result, Rolls-Royce has not missed an engine or spare part delivery, a phenomenal accomplishment for these high-volume programs."

Mr. Yomantas responded by saying, "We are honored for this recognition by one of NHBB's most valued business partners, Rolls-Royce. As proud as I am to be a part of this ceremony, it is our employees who deserve the credit for providing such exceptional service. On behalf of everyone here, I thank Rolls-Royce for this formal acknowledgment of our distinguished service and for the opportunity to participate in the M250® and RR300 programs."



According to Mr. Draine, the bearing products NHBB supplies in support of the two engine programs include more than 43 different part numbers. "It is quite an accomplishment to sustain excellent service levels while supplying such a wide range of products," said Mr. Draine. "NHBB has set a very high standard of performance, for which we are very grateful."

continues on page 2

Executives from Rolls-Royce and NHBB paid tribute recently to their longstanding business relationship. Shown here are (sitting from l to r): Jim Geary, VP of Sales, NHBB; Dave Hinko, Buyer, Rolls-Royce; (standing from l to r) Wayne Armstrong, Buyer, Rolls-Royce; Dan Lemieux, VP of Business Development and Marketing, NHBB; Gary Yomantas, President, NHBB; Terrie Maddox, Senior Sales Engineer, NHBB; Mike Katra, Sales Manager, HiTech Division of NHBB.

Inside this issue:

- [Message from the President](#)
- [Pitch Control System Sets Benchmark](#)
- [NewsBriefs](#)
- [NHBB in Person](#)
- [New Director for New Product Development](#)
- [MD&M Trade Show Dates](#)

NHBB's German Counterpart Initiates New Building Project

myonic GmbH held a ground breaking ceremony a short time ago to kick off construction of a new manufacturing facility, which will increase production space by 20%, or 6,600 square feet. The new facility will be situated on a plot of land immediately south of myonic's corporate headquarters in Leutkirch, Germany.

During his speech at the ceremony, managing director Bernhard Böck emphasized the importance of the new building to the company's future. "We anticipate our sales to increase approximately 20% by the second quarter of 2015," Bernhard said. "The existing plant will be undersized given the expected growth in our business, so it is imperative for us to increase our manufacturing capacity."

continues on page 2

New Pitch Control Bearing System Sets Higher Performance Benchmark

NHBB's new rotary wing pitch control bearing system (L2010) gives helicopter manufacturers and their customers increased performance while reducing lifetime maintenance and repair costs. The patent-pending solution establishes a performance benchmark for extremely low wear — 0.003 inch or less — over 1,500 hours, and delivers improved resistance to high-alkaline compounds found in most cleaning solutions, which are proven to shorten bearing life.

The L2010 is designed specifically for rotary wing pitch control applications, which enable the individual blades of a helicopter to change their pitch angle in response to pilot input. The bearings found in these systems are under constant use in harsh and aggressive environments.

The ability of NHBB's L2010 pitch control bearing system to resist wear and contamination reflects over 30,000 hours of research and dynamic testing by NHBB's new product development team. NHBB tested the L2010 using the AS81819 fully reversing load spectrum, which included a load greater than 2,300 lbs (1043 kg), a 300 cpm oscillation rate (5 Hz), and water contamination six times per day.

Building on NHBB's commitment to supporting the needs of its aerospace customers, the new L2010 rotary wing pitch control bearing system joins our complete line of bearing solutions for rotary wing aircraft. As NHBB researchers continue their drive to increase bearing system life and performance, our customers continue to benefit through reduced maintenance costs.

Contact Astro's Product Engineering group for more information.



News Briefs

New Sales Engineer Joins NHBB



Steve Alpers has joined NHBB as the new Field Sales Engineer for the Northwest Territory. Steve is an accomplished technical salesperson with more

than 15 years of experience in the aerospace, medical, automotive, and industrial markets. He is also acquainted with the bearing industry, having previously worked for Torrington and RBC. Walt Sweet, NHBB's Western Region Sales Manager, described Steve as an excellent fit for NHBB, saying, "He is a highly trained professional who has the skills and experience necessary to meet the critical demands of our aerospace customers." Steve earned his BS in mechanical engineering from Iowa State University in Ames, Iowa, and has lived in the Seattle area for 16 years. He steps into the position vacated by Joe Morrissey, who will be retiring after 30 years of dedicated service with NHBB and NMB. Steve's first day on the job was October 24.

Steve Alpers

Environmental Management Systems Certifications Are Now Online

NHBB's current ISO 14001 Certificates of Registration are now available as downloadable PDF documents on our website. View or download them at: nhbb.com/about/environment.aspx.

HiTech Strengthens its Safety and Health Programs



Kimberly Weeks

In an effort to move its safety and health programs to the next level of excellence, Hi-Tech has hired Kimberly Weeks to fill the newly created full-time position of safety coordinator. Kimberly is well versed in all aspects of safety and health management. She graduated from Keene State with a BS in safety studies, has acquired her Certified Safety Professional (CSP) certificate, and has extensive experience in manufacturing, including Osram Sylvania in Hillsborough, NH, and Hitchiner Manufacturing in Milford, NH. Kimberly's first day on the job was August 22.

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NHBB Intern Earns Scholarship

The ABMA awarded their first annual Internship Scholarship in honor of Tedric A. Harris to Abigail Jenkins, a junior Mechanical Engineering student from the University of New Hampshire. Abigail's eight-week internship took place at the HiTech Division in Peterborough, NH. She wrote of her internship at NHBB, "I was able to see first-hand what the manufacturing atmosphere is like. The experience gave me a deeper understanding of and appreciation for engineering."

Frequently Asked Dental Bearing Questions

NHBB and myonic just published a document that answers the most frequently asked questions about dental bearings like, "What is the advantage of using a hybrid ceramic ball bearing?" and, "What is a lube-free bearing?" The Dental Bearings FAQ flyer is a companion piece to the Dental Bearings brochure NHBB and myonic published earlier in 2011. Dental customers may order the documents by visiting nhbb.com or calling **818.993.4100**.