

HAYNES

International

NEWS RELEASE

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Contact: Dr. Keith Kruger
Sr. HTA Market Manager
Haynes International, Inc.
765-456-6098

HAYNES INTERNATIONAL, INC. ANNOUNCES DEVELOPMENT OF HAYNES® 244™ ALLOY



KOKOMO, IN, September 20, 2011 – Haynes International, Inc. (Nasdaq: [HAYN](#)) is pleased to announce the development of HAYNES® 244™ alloy. This alloy has an excellent combination of high temperature strength, low thermal expansion behavior, thermal stability, and good oxidation resistance at temperatures up to 1400°F (760°C). This Ni–Mo–Cr–W alloy achieves superior strength through an aging heat treatment. Tensile and creep properties exceed those of HAYNES 242® alloy. The thermal expansion of 244 alloy is lower than that of 242 alloy, as well as of other commercial low expansion superalloys. This new 244 alloy exhibits excellent ductility and forging characteristics. Potential uses include applications in aircraft and land-based gas turbines, including seamless forged rings and cases. HAYNES 244 alloy will become available for commercial sale upon completion of additional process developments. The alloy is being manufactured in several product forms, including billet, bar, and plate. Material will be available for trial evaluation as manufacturing progresses. Please contact Dr. Keith Kruger at (765) 456-6098 or kkruger@haynesintl.com for more information.

About Haynes International

Haynes International, Inc. is a leading developer, manufacturer and marketer of technologically advanced, nickel- and cobalt-based high-performance alloys, primarily for use in the aerospace, chemical processing and land-based gas turbine industries.