



PRESS RELEASE

QuesTek's high-strength, corrosion resistant steel "*Ferrium*[®] S53" receives formal Aerospace Material Specification- SAE issues AMS 5922

Evanston, IL, January 29, 2008 – Earlier this month SAE International approved an Aerospace Material Specification for QuesTek's new alloy *Ferrium* S53. QuesTek designed *Ferrium* S53 to be a drop-in replacement for 300M steel, which is commonly used today in military and commercial aviation for landing gear. S53 meets the ultimate tensile strength of 300M and has the added benefit of corrosion resistance, eliminating the need for toxic cadmium coatings and extending the life of landing gear components.

AMS 5922 covers the procurement of bars and forgings of S53 as a double vacuum melted (VIM/VAR) aerospace grade. SAE Committee F on corrosion and heat resistant alloys approved the specification for S53 premium aircraft-quality alloy steel. The specification itself covers material chemistry, processing, heat-treatment, and minimum property requirements.

The alloy was developed through the application of *Materials by Design*[®], QuesTek's computational materials systems-design methodology. Charles Kuehmann, QuesTek's President and CEO, stated "Obtaining AMS 5922 is a significant milestone in the development of *Ferrium* S53. It demonstrates a high level of technical maturity for the alloy. We are also working towards the publication of minimum properties in the MMPDS handbook later this year to complement the Aerospace Material Specification."

QuesTek has licensed Carpenter Technology Corporation and Latrobe Specialty Steel to produce and distribute *Ferrium* S53. Commercial and test quantities of S53 compliant with AMS 5922 are available from Carpenter today. Latrobe, a recent licensee, anticipates commercial availability later in 2008.

For more information, contact: Brian Tufts, Manager- Business Development, QuesTek Innovations LLC, 1820 Ridge Avenue, Evanston, IL 60201; tel: 847.328.5800; e-mail: btufts@questek.com. For a copy of Aerospace Material Specification 5922, visit www.sae.org/