



New Marketing and Sales Manager

United Turbine has hired Mr. Manuel Rigüero as marketing and sales manager. Mr. Rigüero brings to our company many years of experience working for other aviation companies in the U.S. and in other international markets. From here we extend our congratulations and welcome him to the United Turbine family.



PT6A Small

Come to see us at these events in 2011:

- RACCA Spring Conference, May 4th-6th, Scottsdale, AZ
- NBAA Annual Convention, October 10th-12th, Las Vegas, NV

Main Fuel Pump Failures

The manufacturer of the engine main fuel pump, Hamilton Sundstrand, has taken drastic decisions after a recurring failure of the pumps that caused in-flight shutdowns due to splines wear as a result of its poor design and incorrect maintenance procedures. The manufacturer now is requiring the replacement of the gearset and coupling at every overhaul, causing a significant increase in the cost of overhaul, but necessary to assure its airworthiness.

Compressor Turbine Blades Sulphidation

Sulphidation is a constant and expensive deterioration that affects the life of turbine blades, made of nickel alloy. Sulphidation is a degenerative process where the sodium, present in the air, acts as a catalyst that opens the door to sulphur, present in the fuel as a residue after its distillation, to attach the nickel at high temperature, forming a non metallic sub product that weakens the blade substantially, leading to its failure. A simple process of washing the blades with distilled water will remove the salt from the blade surface preventing its sulphidation. The cost of one set of compressor turbine blades could go as high as \$120,000.00 on certain engine models.



PT6T Turbo-Pac



PT6A Large

