

6 May 2011

## **EUROPROP'S TP400 ACHIEVES EASA CERTIFICATION**

EPI Europrop International GmbH (EPI) has received type certification from the European Aviation Safety Agency (EASA) for the TP400-D6 engine that powers the A400M military transport aircraft. It is the first large turboprop engine to have been certified by EASA and the first military engine to have been certified by EASA to civil standards from the outset.

Certification completes airworthiness approvals by EASA and is the result of an intensive series of safety, endurance and performance tests. Since the first engine run in late 2005 the TP400 has completed all major development testing, as well as achieving over 12,000 running hours, around 8,000 of which have come during the A400M flight test programme.

During development testing the engine demonstrated exceptional performance operating at sea-level and altitude conditions. It also proved its ability to cope with bird strike, ice and water ingestion. Testing was undertaken at a variety of open air, indoor and altitude facilities at six locations across Europe – Ludwigsfelde in Germany, Istres and Saclay in France, Ajalvir and Moron in Spain and Liers in Belgium. In addition, engine integration and initial in-flight performance was also tested on an Airbus Military Flying Test Bed aircraft at Marshall Aerospace in the UK.

Commenting on engine certification Simon Henley, President of Europrop International, said:

"This marks a significant and positive milestone in the development of the world's most advanced turboprop engine. The TP400 has demonstrated its excellent performance through a series of intensive bench and flight test programmes and we are more confident than ever that it will bring a significant improvement in operational capability to customers when it enters service in the A400M.

"In the meantime, we continue to concentrate our efforts on supporting the A400M flight test programme, where we have now achieved over 500 flights and the engine is demonstrating excellent levels of performance".

EPI Technical Director Martin Maltby said:

"Certifying the TP400 has presented a series of unique challenges due to the high power of the engine and the leading-edge technology that is incorporated within its design; technology which has enabled it to meet all its performance and weight goals. Today's achievement is a testament to the innovation and dedication of the teams from EPI and its parent companies and to the support of EASA and our customer, Airbus Military."

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## **Notes for Editors**

EPI Europrop International GmbH was created by four leading European aero-engine companies - Industria de Turbo Propulsores, MTU Aero Engines, Rolls-Royce and Snecma (Safran Group) - to manage the TP400 engine programme.

Designed to power the Airbus Military A400M military transport, the TP400 will be the most powerful turboshaft engine to enter service in the West. It features a three-shaft configuration and will deliver a maximum power output of 11,000 shaft horsepower.

**For further information and pictures, visit the EPI website on [www.europrop.aero](http://www.europrop.aero)**

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