

Rolls-Royce Tay 611-8 engine achieves 10 million flying hours

The Rolls-Royce Tay 611-8 engine, which entered service in 1987, recently achieved another incredible milestone by reaching 10 million flying hours in nearly 5 million flights. The engine powers a range of Gulfstream's highly successful large-cabin business aircraft, such as the Gulfstream GIV, GIV-SP, G300 and G400, and has established a reputation for outstanding dependability, efficiency and low noise generation.

The performance of the Tay 611-8 enabled the Gulfstream GIV to revolutionise the business aviation market with its high cruising speed and the intercontinental range of about 4,300 nautical miles. Over the past three decades, the Tay 611-8 has achieved numerous records for speed and range. These achievements have been perpetuated by its successor, the Tay 611-8C, powering the Gulfstream G350 and G450. There are over 1,700 Tay 611-8 and -8C engines in service today, with many of these supported by Rolls-Royce's market leading CorporateCare®.

The background to the first Tay order contract is part of aviation history. In December 1982 the basic details - engine price, quantity, payment terms - were written on a napkin in less than 10 minutes by Sir Ralph Robins, who at the time was the company's Managing Director, and Allen Paulson, Gulfstream's founder and then Chairman and CEO. The deal was formally settled in March 1983.

Dirk Geisinger, Director Business Aviation, Rolls-Royce, said: "Reaching 10 million flying hours is an impressive milestone and we are very proud of this achievement. With its legendary reliability the Tay 611-8 became the benchmark for ultra-reliable long distance business aircraft and perfectly illustrates why Rolls-Royce is the leading engine manufacturer in Business Aviation.

"The Tay family with its proven performance has been very successful for us and has propelled our market leadership in this sector. Combining this engine with our latest aftermarket programme CorporateCare Enhanced raises the bar for the whole industry by introducing uncapped troubleshooting, coverage for mobile repair team travel costs and nacelle coverage on later engine models."

He adds: "CorporateCare Enhanced provides our customers with a global support infrastructure which includes Engine Health Monitoring, a worldwide network of Authorised Service Centres and globally distributed spare parts and engines, all managed by our dedicated 24/7 Business Aircraft Availability Centre. Our customers benefit directly from this investment in proactive care, as in most cases are prevented from missing a planned trip."

For high-res images please see here: <https://www.flickr.com/photos/rolls-royceplc>