



September 2011

PurePower[®]

PW1000G Engine News

This Changes Everything.™

Bombardier CSeries

PW1500G full-scale engine testing

600 + hours

Mitsubishi Regional Jet

PW1200G Full scale engine testing

300 + hours

FLYING NOW

PW1500G engine flight testing

100 + hours

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PW1500G engine successfully completes first flight test program

The Pratt & Whitney PurePower PW1500G engine, the PW1524G engine for the Bombardier CSeries aircraft, successfully completed its first flight test program at Pratt & Whitney's new flight test center in Mirabel, Quebec, Canada.

The flight tests demonstrated excellent operability characteristics and exceptional in-flight starting behavior. The PW1524G engine completed 25 flights with 115 flight hours, hitting all performance targets. "We are pleased with this initial flight program," said Bob Saia, Vice President, Next Generation Product Family. "Results confirmed our earlier sea level test findings validating the geared turbofan's overall engine design. The engine operated flawlessly enabling us to conduct double the number of flight hours we initially planned. Our expanded test program enabled us to conduct additional flight testing, which was planned for early 2012. This engine will return to our sea level test facility in West Palm, Florida to continue testing."

Pratt & Whitney has performed critical part level and engine sub-system testing to validate designs for the PurePower engine program, including hundreds of hours of core and rig testing, design validation of the fan drive gear system, bird ingestion and fan blade containment and compressor performance for the advanced PW1000G



core. Pratt & Whitney currently has five PW1000G family engines in test and an additional five in the build cycle.

With the completion of more than 900 hours of full engine testing to date, the PW1000G engines continue to run exceptionally well, exceeding initial expectations and providing excellent results. As more engines come online at test stands, the program continues to accelerate towards first engine certification in 2012.

There are more than 2,000 engine orders and commitments for the PurePower engine family. Spanning 17,000 lbs to 33,000 lbs of thrust, the PW1000G engine will deliver outstanding economic and environmental performance from Entry Into Service and well into the future.



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