

PRATT & WHITNEY CANADA

# PT6A BULLETIN

PT6A CUSTOMER QUARTERLY NEWSLETTER | SPRING 2011



## KRISTIN KENNY

SENIOR PROGRAM  
MANAGER PT6A  
TURBOPROPS AND MILITARY

Dear Customers,

P&WC's PT6A engine is often thought of in this industry as a legend, especially considering it's been around for almost 50 years, can be found in more than 180 countries around the globe and serves some 7000 operators. Its longevity in the marketplace and the lasting strength of its brand have been built on a number of factors but I think the most important is the PT6A's ability to constantly reinvent itself in the face of changing times and evolving operator needs.

On the first of December, the PT6A did it again with the launch of PT6nation.com, a community for operators and fans to meet and share stories through words, images and videos. The PT6 Nation "microsite" was designed to build on the grassroots enthusiasm for the engine while capitalizing on the power of social media to bring people with common interests together.



The results to date have been most encouraging. As of publication time we had:

- 500+ members and counting!
- 8,500+ unique visitors
- 12, 000+ visits from 130 countries overall of which 51% came from referral sites
- 400+ Facebook likers
- 850+ Twitter followers.

And we expect that our momentum will continue to build throughout the course of the year as we bring the PT6 Nation to the many shows and events in which P&WC participates.

We're thrilled that we launched the first OEM community-based site in the aerospace industry, essentially inventing our own social networking platform for the PT6 base. And industry watchers have taken note with coverage of the new site by Flightblogger, Aviation Week, AIN and AMT.

We have big plans for PT6Nation.com in 2011. We'll be working hard to expand its reach and to

create new ways for our fans to share information. Our goal is to truly "put a face" on the PT6's diverse fan base and tap into the special attachment that many have for the engine.

Time and again during its history, the PT6 engine has broken new ground, has innovated and stayed at the head of the pack. But isn't that how legends become legends in the first place?

Come join us at PT6Nation.com and share your story. Take part in the building of a legend.

Kristin Kenny

## P&WC INTRODUCES COST-OPTIMIZATION OFFERS

During the course of 2011, P&WC will be offering operators the opportunity to take advantage of several new commercial incentive programs aimed at both Hot Sections as well as Engine Overhauls performed within the P&WC Global Service Network.

### HOT SECTION REFRESH KITS

APPLICABLE ENGINE SERIES	POTENTIAL REBATES
PT6A-11/-11AG/-15AG/-112/-121/-21/-25A/-28/-110/-25/-27	US\$7,000 when buying a "refresh hot section kit"
PT6A-114/-114A/-34/-34AG/-36	US\$12,000 when buying a "refresh hot section kit"

(For full details and conditions, see P&WC SIL PT6A-182R1 and 183R1 at <http://www.pwc.ca/en/service-support/service-information-letters>)

### VALUE OVERHAUL PROGRAMS

APPLICABLE ENGINE SERIES	ESTIMATED OVERHAUL & PARTS COSTS	POTENTIAL REBATES
PT6A-11/-11AG/ 15AG-112	Estimated Overhaul Costs greater than US\$160,000 and more than US\$80,000 in P&WC parts	From US\$5,000 to US\$45,000 depending on total cost estimate and P&WC parts component
PT6A-21/-27/-28/ -34/-34AG/-36/-135/ -114/-114A	Estimated Overhaul Costs greater than US\$230,000 and more than US\$150,000 in P&WC parts	From US\$5,000 to US\$35,000 depending on total cost estimate and P&WC parts component
PT6A-41/42	Estimated Overhaul Costs greater than US\$330,000 and more than US\$250,000 in new P&WC parts	Starting at US\$10,000 depending on total cost estimate and new P&WC parts

For more details on these programs P&WC has released the following SILs PT6A-180, 181 and 174R2

# KNOW YOUR PT6A POWER- SETTING PARAMETERS MATTER



BY  
**GIOVANNI  
MULAS**  
MANAGER, PT6A CUSTOMER  
MANAGEMENT  
CUSTOMER SERVICE

For engine OEMs like Pratt & Whitney Canada, in business for more than half a century, standard Pilot's Operating Handbook (POH) specifications aren't intended as mere suggestions, but rather as definitive instructions.

So much so that in 2004 P&WC issued SIL PT6A-125 to provide owners, pilots and maintainers with a comprehensive understanding why following the POH is an essential element to the successful operation of the PT6A engine

Last year, P&WC discovered that some flight schools were still teaching their pilots to operate their engines by using Inter-Turbine Temperature (ITT) as the primary power-setting parameter, rather than operating to target torque setting as specified in our POH. We quickly issued a Service Information Letter (SIL # GEN PT6A-028) in the hopes of rectifying the situation.

Integral to our power-rating philosophy, torque is used as the primary power setting parameter as part of the holistic view of the engine's performance and service life. Other engine parameters should be monitored to ensure they are within acceptable limits.

This is important because operating the engine beyond the recommended power settings that are specified in the POH for a prolonged period, will result in accelerated margin deterioration due to hot section component degradation and will affect both, the reliability and durability of your engine. This effect is cumulative and will lead to the engine prematurely reaching an operating

limit (usually ITT) before the recommended power is produced.

With so much riding on the health and reliability of your engine, it's always best to rely on your aircraft manufacturer's POH instructions which are produced by the best technical minds in the business and based on many years of use and experience.

## PT6 NATION 2011 CONFERENCES & SHOWS

Conventions	Date	Location	M&O
Texas AAA Convention	January 5-8	San Antonio TX, USA	
AETC Symposium	January 20-21	San Antonio TX, USA	
PILBA Conference	February 3-5	Keywest, FL USA	✓
South Eastern Aero Cultural Fair	February 7-9	Charleston, NC, USA	
Alaska Air Carriers Association	February 14-18	Juneau, Alaska, USA	
Canadian AG Convention (CAAA)	February 17-19	Winnipeg, MB, Canada	✓
Tristate Aerial Applicators Convention	February 23-25	Minnesota, USA	
King Air & PT6A Performance Conference	February 24-26	Van Nuys, CA USA	✓
Australian International Airshow	March 1-6	Avalon, Australia	
Quebec Air Transport Assoc.	March 16-18	Gatineau, QC, Canada	
Regional Air Cargo Carriers Association	May 5-7	Scottsdale AZ USA	
Regional Airline Association Conference	May 16-17	Nashville, TN USA	
New Avex Open House	May 21-22	Camarillo, CA USA	✓
NZAAA	July 3-5	Wellington, New Zealand	✓
Canadian Business Aviation Association	July 6-7	Calgary, AB, Canada	✓
EAA Airventure	July 25-31	Oshkosh, Wisconsin, USA	✓
LABACE	August 11-13	Sao Paulo, Brazil	
TBM Owners & Pilots Association Annual Convention	August 31- September 3	Colorado Springs, CO, USA	✓
Regional Aviation Association of Australia	September 7-9	Queensland, Australia	
Malibu Mirage Owners & Pilots Association Annual Convention	September 14-18	Hot Springs, VA, USA	✓
Beech 1900 Conference	September 26-28	Wichita, KS, USA	✓
European Regions Airline Association (ERA)	September 28-30	Rome, Italy	
National Business Aviation Association Convention & Exhibition	October 10-12	Las Vegas, NV, USA	✓
Beech 1900 Conference	November 3	Johannesburg, South Africa	
National Agricultural Aircraft Association Annual Convention	December 5-8	Las Vegas, NV, USA	✓
Customer Days	Date	Location	M&O
Atlantic Aero - Customer Day	April 5	Greensboro, NC USA	✓
Blackhawk Customer Day	May 12-13	Johannesburg, South Africa	✓
Organized by Vector Aerospace	May 25	Calgary, AB, Canada	✓
Organized by Vector Aerospace	September 13	Atlanta, GA, USA	✓
Organized by Pratt & Whitney Canada (A'Asia) Pty Ltd	November 10-11	Cairns, Australia	✓
Organized by Pratt & Whitney Canada (A'Asia) Pty Ltd	November 18	Jakarta, Indonesia	✓
Organized by Pratt & Whitney Canada (A'Asia) Pty Ltd	November 28	Hangzhou, China	✓
Organized by Pratt & Whitney Canada (A'Asia) Pty Ltd	December 1	Manila, Philippines	✓
Organized by Pratt & Whitney Canada (A'Asia) Pty Ltd	December 5	Delhi, India	✓
Seminars	Date	Location	M&O
Cessna Caravan Conference	May 17	Lanseria, South Africa	✓

### FOR MORE INFO, PLEASE CONTACT

**PRATT & WHITNEY CANADA CORP.**

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# DEPENDABLE SUPPORT

