



Press Release

Continental Diesel: 5 Million Flight Hours

Mobile (USA), 7 April 2016—Continental Motors Group, an AVIC International Holding Corporation company, celebrated a major milestone when its CD-100 family of jet fuel burning piston engines passed the 5 million flight hours mark, with a total of now over 4,750 Continental Diesel engines delivered since start of series production in 2002. As a result, Continental is the undisputed leader in the field of diesel aircraft engines in the history of aviation, surpassing all other manufacturers combined.

“The Fuel-efficient and reliable Continental Diesel engines became a success story in a challenging market environment. Since start of production in 2002, over 4,750 new engines with 99 kW and 114 kW (135 and 155 hp) have been installed on aircraft in the field with plans to exceed the 5,000-engine milestone in 2016. In the last nine months, the cumulative flight time logged by end-users has risen by half a million hours to 5 million hours, a figure that shows just how intensively these engines are being operated by Continental’s loyal diesel customers,” said Jürgen Schwarz, Vice President Engineering, Continental Motors Group. *“As a result of continuous product development and improvement we have also increased product dependability significantly with just 1.1 unscheduled maintenance actions per 1,000 hr. Therefore, we can also claim the highest reliability rate for an aircraft piston engine,”* he added.

High-frequency flyers, such as flying schools or aero-clubs, benefit not only from the product quality that insures the highest dispatch rates in the industry, but also from the fact that these engines can run on most aviation jet fuels, usually much cheaper than avgas. Pilots operating aircraft in regions of the world where no leaded avgas is available also appreciate these fuel-efficient diesel engines. Accordingly, the annual utilization of each Continental Diesel engine is over 250 hours, reaching over 1,000 hours in certain flight schools, and is thus nearly three times higher than the overall average in General Aviation. This helps to explain why the users of Continental Diesel engines reported 5 million cumulative flying hours by the end of January 2016.



Continental Motors

The company has also reported excellent figures regarding the reliability and safety of its engines as a result of continued product improvement over the years. Over the last 52 weeks the CD-135 only had 1.74 in-flight shut downs per 100,000 flight hours which is far beyond industry standard.

According to the FAA statistics, engines used in general aviation experience an average of 10 engine failures or engine-related “in-flight shutdowns” (IFSDs) in 100,000 flight hours. Since market introduction, the IFSD rate for Continental has always been less than half of the GA average and has steadily decreased year over year. The most recent CD-155 shows only 1.57 IFSD due to improved field quality. The CD-135 and CD-155 are therefore probably proven to be the most reliable piston engines in general aviation.

Continental is exhibiting at the AERO Friedrichshafen Germany (hall A3, booth 211) and at Sun'n'Fun. (booth LD-004)

Attached info graphics:

Pic 1: Product field quality CD-135. Shows unscheduled maintenance events per 1,000 hr. Increase of product field quality via permanent product improvement from 5.07 events to 1.1 in 10 years.

Pic 2: Basic In-flight Shutdowns per 100,000 flight hr. Comparison of industry standard with CD-135 since initial production and CD-135 floating in the last 52 weeks.

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AVIC International Holding Corporation was set up in 1979, with majority shares owned by Aviation Industries of China (AVIC). Headquartered in Beijing, the whole assets of AVIC International are up to 250 billion RMB. The company has over 80,000 employees across 400 subsidiaries and is located in over 50 countries, has 8 list companies. AVIC International is a well-diversified company, with holdings in International Civil Aviation, Trade & Logistics, Retail & High-end Consumables, Real Estate and Hotel Management, Electronics Manufacturing, and Natural Resource Development. More information can be found at www.avic-intl.cn.

Continental Motors Group, Ltd. of Hong Kong, China is a subsidiary of AVIC International Holding Corporation of Beijing, China. Its mission is to provide advanced gasoline and Jet-A piston engine products, spare parts, engine and aircraft services, avionics equipment and repairs as well as pilot training for the general aviation marketplace. Continental is an international operation employing approximately 570 team members in Mobile, Fairhope and San Antonio, USA; 200 team members in St. Egidien, Germany; and 8 team members in Beijing, China. More information can be found at www.continentalmotors.aero.



Continental Motors

Continental Motors Germany (Technify Motors GmbH) is the leading manufacturer for certified Continental Diesel (jet fuel) piston aircraft engines for general aviation, and has been part of the Continental Motors Group since July 2013. Continental Diesel has a global network of more than 350 authorized service centers to support worldwide customers. Altogether, 4,500 plus Continental Diesel engines delivered to date have successfully completed more than 5 million flight hours. CMG also produces engine components and engine applications for defense and automotive industry. More information can be found at www.continentaldiesel.com.

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