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As part of our commitment to excellence we are proud to welcome you to our company's newsletter.

At Precision Turbines it is important to us to create a newsletter that will appeal to the broad spectrum of clients we serve. We will continue to strive to bring you the most informative and up to date aviation news, and touch on a variety of topics such as, safety, air transport, flight instrumentation, and corporations. We are always open to suggestions, if there are topics you would like to read about, please let us know.

At Precision Turbines we purchase, sell and lease turbofan and turboprop engines, with special focus on the JT15D and it's upgrades. We are totally devoted to serving our customers in an honest and professional fashion. Our employees stand ready to meet your needs in these markets, and we look forward to putting our experience to work for you. We hope to hear from you. www.precisionturbines.net

FAA ISSUES AIRWORTHINESS DIRECTIVE ON RR RB211-TRENT 800

Airworthiness Directives; Boeing Model 777-200 and -300 Series Airplanes Equipped With Rolls-Royce Model RB211-TRENT 800 Series Engines. On January 17, 2008, a Boeing Model 777-200 series airplane equipped with Rolls-Royce Model RB211 TRENT 895-17 turbofan engines crash landed short of the runway at London Heathrow Airport. During final approach, the autothrottles commanded an increase in thrust from both engines, and the engines initially responded. However, at a height of about 720 feet above the ground, the thrust of the right engine reduced, and approximately seven seconds later, the thrust on the left engine reduced. The uncommanded reduction in thrust on both engines was the result of reduced fuel flows. The engine control system detected the reduced fuel flows and commanded increased thrust. However, there was no appreciable change in the fuel flow to either engine, and the airplane crash landed short of the runway. The investigation determined that over a long period of low power fuel flows and low fuel temperatures associated with cruise flight, ice can accumulate in the main tank fuel feed system and then release as a result of increased fuel flow when high thrust is commanded. When released, the ice could create a restriction within the engine fuel system. A restriction in the engine fuel system, if not corrected, could result in failure to achieve a commanded thrust, and consequent forced landing of the airplane. All of the testing and research of this accident has been conducted on Boeing Model 777-200 and -300 series airplanes, equipped with Rolls-Royce Model RB211-TRENT 800 series engines. Initial review of

777 other airplane engine combinations has not revealed the same vulnerability to the identified unsafe condition..[Read More](#)

BOEING EXPLODES ON IMPACT

A BOEING-737 jet crashed near the Russian city of Perm in the central Ural mountains killing all 82 passengers and six crew on board, including 21 foreigners."The Boeing-737 carried 82 passengers on board, including seven children, and six crew... All passengers were killed," the jet's owner Aeroflot said in a statement..[Read More](#)

WARNING: 30 AIRLINES WILL GO BUST THIS YEAR

The biggest passenger rescue in travel history UP TO 30 more airlines will go bankrupt before Christmas, the chief executive of British Airways warned yesterday, as the..[Read More](#)

NEW ZEALAND TEST FLIGHT SHOWS DEEP CUTS IN FUEL, CO2

Friday was "a great day for aviation," said FAA Acting Administrator Robert Sturgell, following the early arrival of a demonstration flight between New Zealand and San Francisco that saved 1,200 gallons of fuel and cut carbon dioxide emissions by some 30,000 pounds. Dubbed ASPIRE 1 -- Asia and South Pacific Initiative to Reduce Emissions -- the Air New Zealand flight was optimized gate-to-gate for maximum efficiency in a joint effort between regulators in the U.S. and New Zealand. The demonstration flight was intended to show how carriers can cut carbon dioxide emissions, but it also showed that many elements of the FAA's air traffic control system modernization plan are already in place..[Read More](#)

BBJs USED FOR HUMANITARIAN PURPOSES

An AVWeb article offers a few details about a Swedish program that can convert BBJs into humanitarian aircraft within a few hours. Boeing certified a modular system of stretchers and self-contained intensive-care beds that would be especially useful in times of disaster. The setup was used to evacuate people injured in the Southeast Asia tsunami a few years ago, and is always kept at the ready, but the basic infrastructure required for the large plane is not always available which can limit its use. A standard business aircraft can be converted in under 6 hours, and a Boeing 737-800 can carry 6 of the intensive-care beds, necessary staff, and up to 24 less seriously injured people.

MINIMAL STORM DAMAGE HELPS PUSH OIL BELOW \$100

Commodity traders decided Monday that damage from Hurricane Ike was less severe than anticipated, sending the price of oil down to about \$95 a barrel. Refineries reported "no significant structural damage," and analysts said a widespread power outage was the "biggest hurdle to a prompt restart of operations." At least 10 oil and gas platforms in the Gulf of Mexico were destroyed by the storm, but that represented only a tiny fraction of the 3,800 platforms in the area. Nonetheless, with many estimates suggesting that it will be more than a week before refineries are back online, the federal government announced it would to release 309,000 barrels from the Strategic Petroleum Reserve..[Read More](#)

AIRBUS: STILL ON TARGET FOR A380 DELIVERIES

Contradicting reports by a French newspaper, Airbus says it is on schedule to deliver 12 of its A380 superjumbo aircraft by the end of this year. Le Journal du Dimanche reported that Airbus was planning to deliver only eight to 10 planes this year, but a company spokesman said the company's targets have not changed since May, the last time a delay was announced..[Read More](#)

FAA REVIEW TEAM: NO ECLIPSE 500 SAFETY ISSUES

An independent review team tasked by the US Federal Aviation Administration (FAA) to review key aspects of the Eclipse 500 very light jet (VLJ) certification has concluded that the agency..[Read More](#)

ALASKA AIR EQUIPS JETS WITH AIRPORT NAVIGATORS

Plenty of pilots are familiar with technology that tells us to "Turn right" or "Turn left" in a friendly female voice -- because it's installed on the dashboards of our cars, fresh from Best Buy. Now Alaska Airlines will be the first airline to provide similar technology for all of its airplanes, to guide pilots around airport runways. Their technology, however, fresh from Honeywell, will cost \$20,000 per airplane. The airline started working with Honeywell three years ago to test the Runway Awareness and Advisory System (RAAS), which provides pilots with audible alerts when they approach and enter taxiways and runways. RAAS confirms runway identifications to help ensure pilots are on the correct runway with enough distance to complete takeoff, and provides an audible warning if a pilot inadvertently accelerates for takeoff while on a taxiway. Alaska Airlines began installing RAAS on its Boeing 737s in July, and the fleet will be fully equipped with the aural alert software by the end of this month..[Read More](#)

BOMBARDIER CRJ1000 NEXTGEN AIRCRAFT MAKES INAUGURAL FLIGHT

Bombardier Aerospace announced yesterday that the prototype CRJ1000 NextGen jetliner, serial number 19991, made its successful inaugural flight from the Bombardier facility at Mirabel, Québec. The aircraft took off at 10:02 a.m. EDT and flight lasted three hours and 25 minutes. According to Bombardier, it reached an altitude of 30,000 feet (9,144 m) and a maximum speed of 260 knots (481 km/h)..[Read More](#)

JET FUEL FROM ALGAE A STEP CLOSER

Solazyme, a San Francisco-based company, announced on Tuesday that it has produced fuel derived from algae that meets the Jet-A fuel standards set by the American Society for Testing and Materials. The ASTM standards measure performance in areas such as density, stability, flashpoint, freezing point, distillation and viscosity. By meeting those criteria, the company said, it has shown that the fuel is compatible with existing engines and infrastructure, bringing it a step closer to commercial development. "We are excited to be the first advanced biofuel company to successfully make jet fuel from algal oil that passes the most critical ASTM D1655 (Jet A) standards," said Solazyme CEO Jonathan Wolfson. "This announcement is proof of the advantages of our proprietary renewable oil production process to create highly tailorable oils and renewable fuels." The company is already producing thousands of gallons of oil using a unique process in which algae grow in large tanks quickly, efficiently and without sunlight. The algae feed on materials such as agricultural residues and high-productivity

grasses as well as industrial byproducts. The oils they produce are low-carbon, non-toxic and safe, the company says..[Read More](#)

MCCAIN VP NOMINEE HAS GA CONNECTIONS

Sen. John McCain's choice of running mate, Gov. Sarah Palin of Alaska, has a positive association with general aviation. Her husband is a pilot and an AOPA member. Considering that GA is the primary form of long-distance transportation in the forty-ninth state, it's not surprising that Gov. Palin has taken a stand against user fees. In May 2007, she signed an AOPA-backed resolution in opposition to the FAA's plan for excessive avgas taxes and user fees..[Read More](#)

FUEL COSTS PROMPT WAKE-UP CALL FOR AIRLINES

In the first half of this year, 24 airlines were either grounded or had filed for bankruptcy mostly due to the increasing cost of jet fuel, according to the International Air Transport Association. Tyler Hamilton argues that the situation is a wake-up call for the airline industry to develop alternative fuels. Hamilton outlines the progress made as well as the challenges that remain in developing new fuels for aircraft..[Read More](#)

ECLIPSE REORGANIZES CORPORATE STRUCTURE

A management restructuring is Eclipse Aviation's latest attempt to solidify the future of the troubled very light jet manufacturer. CEO Roel Pieper says the new divisional structure is another step in the company's "operational excellence strategy." ..[Read More](#)

FOOTBALL SEASON KICKS OFF WITH STADIUM TFRs

With football season now under way, pilots need to be mindful of temporary flight restrictions around stadiums. The FAA's blanket notam prohibits aircraft and parachute operations at and below 3,000 feet within three nautical miles of large stadiums. The TFRs go into effect an hour before and extend until an hour after the scheduled events. To help pilots avoid the TFRs, AOPA has compiled a [list of the NFL stadiums](#). You can also find information about the locations of other sporting events.

VIDEO OF THE WEEK: HIGHLANDER DEAD-STICK TAKE-OFF

"You're gonna love this," wrote AVweb reader Scott Evans by way of introduction to this week's featured viral video. "We've all heard of dead-stick landings – now check out this dead-stick take-off!" We're not sure what the backstory is on this clip – is that actually Bob Hoover narrating? – but it's worth a look. (Click through to watch.)..[Read More](#)

VIDEO OF THE WEEK: GLENN CURTISS MUSEUM'S AMERICA FLYING BOAT RECREATION TAKES TO THE SKIES

We periodically check YouTube for new videos from the folks at the Glenn H. Curtiss Museum, hoping to see what's going on with their "Project America," an ongoing effort by the museum to construct a fully-functional and authentic replica of the twin-engine OX-6 Curtiss seaplane. We've shared videos of the construction and water debut of America 2.0 in the past, but this weekend she actually took a real-world flight –

and thanks to Dan Kaake, you can see how things went on New York's Keuka Lake. (Click through to watch.)..[Read More](#)

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All contacts, comments, and inquiries will be reviewed immediately. You will have a response from our company principal, Robert Spahr, whose personal email address is: rspahr@precisionturbines.net, just as soon as feasibly possible.

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