

MARSH BROTHERS AVIATION AT EAA AIRVENTURE OSHKOSH

JULY 24th-30th, 2017
BOOTH #270

Marsh Brothers Aviation (MBA) will be exhibiting at booth #270 with Brant Aero and Progressive Aviation at the annual EAA AirVenture in Oshkosh, Wisconsin.

We will be presenting our proprietary AeroTough GF self-lubricating bushing material available in our Baron and Bonanza Landing Gear upgrade kits and Aerostar Landing Gear upgrade which is modeled at our booth. Various kits will be on display and available for purchase.

We will be giving out some samples, as well as drawing for the winner of our Twitter contest on Friday, July 28th.

Please see [page 3](#) for further details.



What's *inside*...

Who is...



Learn about
AEROTOUGH GF



Get to know MBA Founder,
George (Sandy) Thomson

Be in the know with MBA's



Presentation Agenda



We are Marsh Brothers Aviation

MBA is part of the Thomson-Gordon Group, a manufacturer of bearings, seals and engineered mechanical components for diverse global markets since 1911. This connection provides access to superior engineering, manufacturing and state-of-the-art R&D facilities that encourage innovation and the delivery of high performance products and quality service. Marsh Brothers Aviation brings the expertise of the Thomson-Gordon Group to the aircraft industry with a focus on the innovative development and supply of high performance parts and service, initially to general aviation aircraft, but

with the intention to expand into the transport category aircraft market.

The business started with producing optional bushings and seals for warbirds and from there our first product for the Baron and Bonanza aircraft was a landing gear door hinge upgrade kit for both main and nose gears.

Our goal is to develop bearings that outlast all others. Replacing OEM parts with AeroTough GF bushings and Thorseals will reduce wear, weight, maintenance costs and corrosion, and will provide aircraft owners with confidence in a long life, maintenance free choice.



AEROTOUGH GF

What is AeroTough GF?

AeroTough GF comes from a long history of self-lubricating bearing applications developed by the Thomson-Gordon Group. AeroTough GF is a Grease-Free (GF) non-metallic bushing that can replace the existing steel bushings providing a smooth operation. AeroTough GF polymers can reduce your maintenance costs drastically. Lubrication is built into the polymer formulation, so no grease or oil is ever required for their operation. Risk of corrosion is reduced.

AeroTough GF polymer parts are only 20% of the weight of equivalent bronze or steel parts. The lower weight provides energy savings through reduced aircraft fuel consumption.

Contamination of the environment with grease or oil is eliminated. Engine carbon emissions are reduced through improved energy efficiency.



About

**MBA Founder,
George (Sandy) Thomson**



Mr. George A. (Sandy) Thomson is the founder of MBA, an engineer and a pilot. He attended Northrop University in Inglewood, California studying Aircraft Maintenance Engineering but graduated as a Mechanical Engineer.

After working with A.W. Chesterton, in 1965 Mr. Thomson joined the family business, Thomson-Gordon. At the time, this company was primarily a distributor of engineers supplies.

Looking for a niche where engineered mechanical products made from rubber and plastic components could be designed, Mr. Thomson developed the proprietary polymer in the late 1960's used on marine, hydro, and industrial applications.

The Thomson-Gordon Group has evolved with several industrial and aviation companies over the past 30 years.

Agenda for Presentation

Sandy is very excited to finally exhibit at Oshkosh. He'll share some history, explain the product development, and review grease-free landing gear applications.

His presentation will be taking place in the American Bonanza Society (ABS) tent on Wednesday, July 26th at 11AM, which is located at Booth #334-336. Hear the story, see what we've done to date, and where the future of self-lubricating bearings and bushings can lead.

11:00AM Booth #334-336

AeroTough Development

Dowty-Messier L/G tests and results

Bonanza/Baron Gear Door Hinge Bushings

Proven Technology

NLG Door Hinge Kits

Flap Rollers

Current Overhaul Projects

Future Development



[Click for full-sized map](#)

Contest Details:

Share your favorite Aircraft on Twitter for a chance to win a set of Spinner Washers and Fuel Cap Covers by MBA valued over \$200. Tell us why you're passionate about flying!

Follow us on Twitter @MBAvCan

Post or share a pic of your favorite Aircraft, post and tell us why you love to fly in 140 characters or less. Don't forget to include #WhyIFly

Tag your pic with @MBAvCan so we can see your post

Begins: Wednesday June 14, 2017 **Ends:** Wednesday July 27th at 10AM EST

For complete contest details [click here](#).

Looking Forward



MBA is planning on developing a complete upgrade kit for all bearing and seal positions in the GA landing gear and flap systems. We have also established a landing gear overhaul facility at our Burlington, Ontario AMO shop.

Partnering with Brant Aero, for fly-in conversions, an overhauled gear assembly will be available for exchange or MBA can rebuild your gear during an avionics upgrade or other airframe or engine project.

Our STC for the Baron and Bonanza complete gear upgrade is in process, but the company can rebuild your gear using OEM or PMA parts immediately.

Our Aerostar Landing gear upgrade kit includes over 50 bearings and seals and you'll be able to see where they are fitted.

MBA is able to design upgraded components for any aircraft landing gear with the objective of eliminating greasing, reducing weight, eliminating corrosion and eliminating the risk associated with a seized joint.



Hours of Operation:

Monday to Friday 8:00AM - 4:30PM EST
Saturday and Sunday Closed.

Tel: 1-800-263-6242

info@marshbrothersaviation.com

Follow Us



Marsh Brothers Aviation



MarshBrothersAviation



MarshBrothersAviation



@MBAvCan

www.MarshBrothersAviation.com



- ABS Tent - Booth# 334-336 (Presentation)
- MBA Tent Booth# 270

ABS Tent

