



Photo AOPA

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## Show calendar :

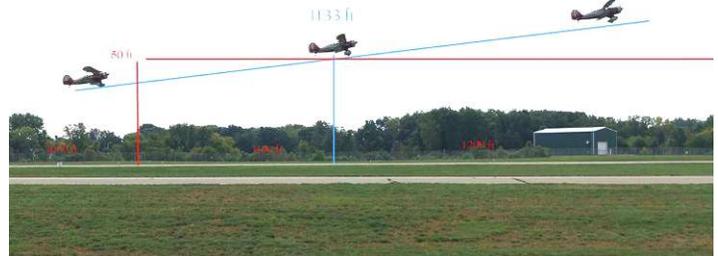
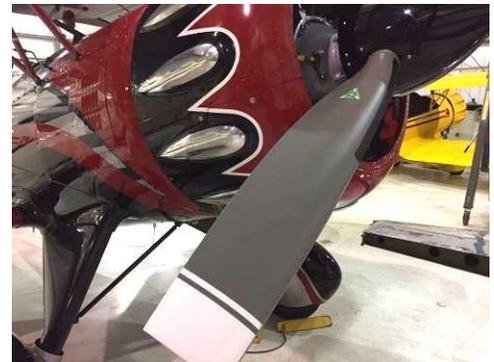
- Sun-n-Fun April 4-7
- AOPA Fly-in TBD
- AOPA Fly-in TBD
- AOPA Fly-in TBD
- Air Venture Oshkosh July 24-30
- Triple Tree Sept 6-10
- Others TBD

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## New Constant Speed Propeller from MT

As we go to press, we have completed all certification testing of the NEW MT Constant Speed propeller for the YMF-5D. This included 117 hours of ground test in the spring on our test stand, several test flights, and lots of paperwork.

Performance has been excellent, with much better takeoff performance, 9% better climb rate, better high altitude performance and much smoother operation. The constant speed propeller allows the engine to develop its full 300 HP at takeoff and optimize its performance through various phases of flight (climb, cruise, aerobatics...) as opposed to the fixed pitch propellers that is a compromise between climb and cruise performance. In addition to the dramatic performance improvements, we are seeing much better cooling and dramatically lower weights as the composite construction of the new propeller is 70 pounds lighter than the old Hamilton Standard 2B-20. Other benefits include a thoroughly modern seal system (No Leaks!) and a light weight composite spinner. We intend on initially approving the WACO YMF-5D, then the Cessna 195 and Jacobs installations on the Stearman and then other aircraft. The new propeller, installed at the factory, with spinner, Governor, oil lines, hardware, amended throttle quadrant and other bits is: \$26,500.



## WACO YMF-5D Type Certificate Approved in Brazil

WACO Aircraft Corporation is excited to announce Brazilian ANAC Type Certificate approval for the WACO YMF-5D.



With this approval in place, aviation enthusiasts and pilots in Brazil will now be able to own and fly the awesome WACO YMF-5D (300 HP model only) in their home country. We look forward to welcoming Brazilian customers into the WACO family!



## **WACO Skunk Works— We are working on something really Fun (and Wet)!**

That is assuming you consider splashing around lakes in an amphibious WACO fun! - Construction has started on a new specially built WACO Amphibious Float Plane (AKA: YMF-5F for "F"loats). The imminent approval of the new MT Constant Speed propeller combined with the new 300 HP Jacobs make an amphibious float equipped WACO not only possible but also much more functional. As an FYI for the non-seaplane folks, amphibious floats have wheels, straight floats do not. Some of you may recall that WACO had an airplane on Straight floats in the mid 90's, but the lack of a suitable propeller and straight floats lack of wheels compromised its functionality – anyone who witnessed Carl land on the grass as Sun-n-Fun with it will attest that! Now with the trifecta of 300 HP engines, the new MT composite propeller and Aerocet 3400 Amphibious floats we have the perfect combination to make a great WACO on Floats ! The YMF-5F



## REAL Adventure for REAL WACO pilots....Crete2Cape

***NEWS FLASH!! One WACO YMF-5D' and one Great Lakes are participating !***

On the 13th November 2016 a rally for vintage aircraft will leave Crete in Greece bound for Cape Town in South Africa, scheduled to arrive 5 weeks later. Following in the footsteps of the pioneering flights in the 1920s – they will connect some of the most beautiful and evocative points in Africa. Flying low along the Nile from Cairo to Khartoum, past the highlands of Ethiopia before the plains of Kenya and the home of African aviation in Nairobi. Then off again past Kilimanjaro into the Serengeti – and on to the spice island of Zanzibar. After a short pause to enjoy the Indian ocean, they will continue, crossing Zambia to Victoria Falls, before continuing to Bulawayo in Zimbabwe. The final days take the aviators into, and across, stunning South Africa – to the Cape, journey's end.



**Crete2Cape**  
VINTAGE AIR RALLY

The rally intends to recreate the pioneering age of African aviation in the 1920s. The vintage aircraft will be the centre of attention, supported in their endeavor by more contemporary light aircraft and helicopters. For more details see here: [www.crete2cape.com](http://www.crete2cape.com)

## AOPA Fly-in at WACO - A HUGE Success !

### WACO was the first Aircraft Manufacture to host an AOPA fly-in event!

WOW—What a great aviation weekend! WACO was thrilled to host this years' AOPA Midwest fly-in. We had thousands of visitors and all had a great time. The factory had 15 WACO's here for the event and hundreds of lesser types of aircraft flew in.

WACO volunteers conducted tours of our factory for over 800 people throughout the day. WACO hosted both the AOPA safety seminars on the factory floor and the AOPA village in our Centennial Hangar that provided member support and outreach.



## Great Lakes Canopy Update - One step forward, one sideways....

Our first Great Lakes with a canopy was flown and displayed at Air Venture Oshkosh this year– response from the aviation community was fantastic. We are thrilled with the performance, both in improved air-speeds but also its improved functionality, particularly for weather challenged environments. We did learn a few things and are now redesigning the latching mechanism to improve its function and adding a revised hinge mechanism to allow ejection in flight. We plan to have the final certified version at Sun-n-Fun 2017 this coming spring.



## New Attitude Indicator for 2016 WACO / Great Lakes

The SAI 340 Quattro is a Four-In-One standby instrument that gives you precision Airspeed, Attitude, Altitude and Slip indications, all in an easy to read EFIS presentation. The Quattro can serve as a cost effective replacement for steam-gauge standby instruments in retrofit EFIS equipped aircraft, providing for a more consistent user interface during emergency operations. It can also be an excellent safety enhancing addition to your traditional six pack panel. We anticipate that the SAI-340 will become standard equipment in both the new Great Lakes and YMF-5D. The device has been approved for installation in our aircraft.



## Best Oshkosh Purchase of 2016— GrypMat

We stumbled across this great wing and aircraft protective GrypMat at Oshkosh this year and picked up a case for the factory. [WWW.Grypshon.com](http://WWW.Grypshon.com)



## WACO YMF featured in STUNNING movie footage—Living in the age of Airplanes

A WACO owner in Kenya offered his airplane for the movie. You can pick up a copy at Amazon or the Apple store . Prevue here: <http://www.airplanesmovie.com/special-features/>

Filmed in 18 countries across all 7 continents, the film explores the countless ways the airplane affects our lives (even when we don't fly). With a fascinating take on history, breathtaking visuals, soaring music, and a truly unique perspective, LIVING IN THE AGE OF AIRPLANES shows the airplane in a fresh light as it takes audiences on a wondrous trip around the globe.



LIVING IN THE AGE OF AIRPLANES was produced and directed by Brian J. Terwilliger (*One Six Right*), is narrated by Harrison Ford (a WACO Owner), and features an original score by Academy Award® winning composer James Horner (*Avatar*, *Titanic*).





## Recent Completions

NEW WACO YMF-50's



Great Lakes by WACO



Great Video of a NEW Great Lakes going together at the WACO Factory.

Link: <https://www.youtube.com/watch?v=Z6DPUeA8Q>





## The New 2017 2T-1A-2 by WACO

### Improvements made to new production aircraft



- More Space, the pilot seat was moved back four inches and reclined
- Aluminum side skins are more rugged and damage resistant than the older fabric sides and are easily removed for improved servicing
- NEW PPG Aerospace paint offering more color options and lighter weight
- Standard TRIG TY91 Radio and TT22 Mode-S Transponder
- Relocated COM 1 antenna providing for better communication range
- JPI-930 color engine monitor and performance computer
- New lighter weight tail wheel and main wheel assemblies
- Hooker Aerobatic seatbelts
- Air filler doors on wheel pants improve safety by allowing for easier access
- Stainless Steel exhaust
- Upgraded 406 MHz ELT
- Improved adjustable rudder/brake pedals for tall pilots improves rudder feel & function. New toe brakes in pilot cockpit replace heel brakes
- All frames are fabricated using German tubing that has been precision cut on a CNC tube cutting machine
- New Heater design and firewall blanket. Improve both summer and winter flying comfort
- LED strobe lights on upper wing and LED beacon.
- Concord sealed aerobatic battery
- Improved fuel tank design and electronic gauge
- Taller windshields improve cabin comfort
- New cowling is both lower, improving forward visibility, and more aerodynamic, improving performance
- Standard inverted fuel and oil system
- Redesigned "Zero Maintenance" Oleo strut landing gear
- Improved cabin ergonomics that features larger map storage (sized for an iPad), cup holder, and new arm rest
- Find complete specifications here: <http://www.wacoaircraft.com/great-lakes-by-waco>





The engineers and artisans here at WACO continue to refine and improve the YMF-5D. For 2017 customers can expect the following:

- Revised Heater for Pilot and Passengers
- NEW PPG Polyurethane paint offering more color options and lighter weight
- Standard in IFR spec YMF-5Ds the new Garmin GTN-750 and GTN-365 Touchscreen GPS and enhanced base avionics
- NEW MT Constant Speed Propeller Option
- Larger pilot side foot step accommodates larger shoes
- New lighter weight tail wheel and main wheel assemblies
- New one-piece wing root fairing provides for a cleaner look and lighter weight
- Optional camera mount on upper vertical stabilizer
- Air filler doors on wheel pants improve safety by allowing for easier access
- New Carbon Fiber engine baffles
- New "Safety Throttle" in front cockpit
- All 300 HP Engines now feature New Production aluminum cases and long 1400 hour TBO
- Improved adjustable rudder/brake pedals for tall pilots and a new closed loop rudder cable system that improves rudder feel & function
- Pilot seat adjustment now uses a gas piston, replacing maintenance prone bungee system
- Upgraded 406 MHz ELT
- All frames are fabricated using German tubing that has been precision cut on a CNC tube cutting machine
- Under skin seals have been improved to enhance pilot and passenger comfort in cold weather and help minimize heat intrusion during warmer times
- Increased front cockpit space
- Improved LED strobe lights and landing lights
- Concord sealed batteries now standard
- Improved engine hoses and connections
- New "Zero Maintenance" trim system
- Find complete specs here: <http://www.wacoaircraft.com/waco-ymf-5>

