

# ROTORTALES

*OF THE HUMMINGBIRD HELICOPTER*

Summer 2023



## **IO-540 Lycoming Engine**

Vertical Aviation Technologies is now purchasing IO-540 engines directly from Lycoming for the Hummingbird helicopter as an Original Equipment Manufacturer (OEM). We are receiving OEM pricing and can pass this great savings on to the customer. No middle man. The engines are equipped with fuel injection, electronic ignition and aerobatic sumps.

**Oshkosh Coming up!**



This beautiful Hummingbird 300L, built by Vic Syracuse, will be flying from Georgia to be on display at the Lycoming booth #277-285 at Oshkosh July 24th-30th 2023. Please come by and see the Thunderbolt Lycoming IO-540 engine installation, Advanced flight system AF-6600 glass panel and more.

Vic has written numerous articles for Kitplanes and Sport Aviation magazines documenting his building of the Hummingbird and has a YouTube channel as well.







This is the first YH10-540-Exp373 Thunderbolt engine designed for the Hummingbird 300L helicopter. The Thunderbolt engine has boosted performance with ported/polished cylinders, weight matched rotating assembly, and customers choice of colors. This engine is unique to the Hummingbird with a 60° installation, special rocker box covers with drains, aerobatic sump, fuel injection, and electronic ignition.



# Vertical Magazine



We recently spent time hosting Elan Head from Vertical Magazine. She flew the Hummingbird for a full day while we got great air to air photo's and videos flying up and down the east coast of Florida. Click on the link below to read the full article.

<https://verticalmag.com/features/the-second-life-of-the-s-52/>



## Air Conditioning

Our new air conditioning system design is final and on its way for installation. It is all electric and runs off a 150 amp alternator. The system can be ground run without the rotor turning while the engine warms up at an idle. The compressor is mounted under the pilot seat with inlet and exhaust features. Two evaporators with blowers are mounted, one on the ceiling and one on the aft bulkhead panel. The system is controllable from 25 to 65 amperes, produces 14000 BTU, and weights 33 lbs. Call now for details.

## IO-540 Retrofit Kit

Convert your 260L or LS7 powered Hummingbird with the new Lycoming IO-540. We have retro kits available. Go from 260 H.P. to 320 H.P. real quick. Contact us for further information.

## Happening in our Facilities

### Happy Customers are Important

Two customers brought in their Hummingbird so we could help with blade tracking and inspections. It is very important for us to know how much they trust us and see how happy they are with their Hummingbird helicopter.





## Helicopter Haven

Our facilities on the southwest ramp at Orlando/Sanford International Airport has become a helicopter haven.

We are providing ramp space for four CH-46 helicopters which were operated by the U.S State Department.

We are also pleased to have the HO5S-1 helicopter in for inspection and maintenance after featuring in the movie Devotion. The main rotor blades were X-ray inspected and still look new inside. Not a surprise because we know the quality of our helicopter!



Stay tuned for more things happening in our facilities.

## Customer Corner

Located in Missouri, Steve's Hummingbird helicopter is coming along nicely.



Hummingbird helicopter 300L located in Australia ready for test flight. Congratulations for the amazing job!



# Oshkosh Show Special

For the month of July we will be offering the following special:

- A **free** Advanced Flight System AF-6600 Glass Panel with the purchase of a Hummingbird helicopter kit. This unit with the glass panel, ADHRS, engine instruments and sensors cost approximately \$15,000.00 USD. Call or email for more information.



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## CERTIFIED DESIGN AT A HOMEBUILT PRICE

**Vertical Aviation Technologies, Inc.**, located in Sanford, Florida, is the manufacturer of the Hummingbird helicopter. The company was founded by Bradley G. Clark in 1987. We have sold over 350 helicopters worldwide from commercial helicopter operators to governments. We have an excellent reputation with the FAA and never had a fatality in any helicopter we have built or sold including the Hummingbird. Currently, Vertical Aviation Technologies, Inc. produces the Hummingbird S-52 series helicopters.

We're on the web!

[www.vertical-aviation.com](http://www.vertical-aviation.com)

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***Vertical Aviation Technologies: Making Aviation Great Again!***