

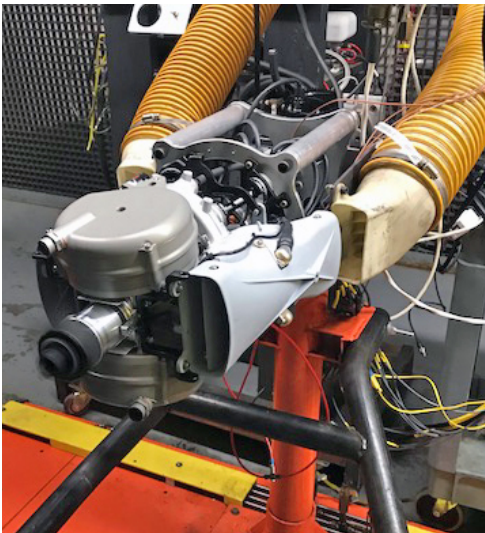
For Immediate Release

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NORTHWEST UAV'S NW-88 MULTI-FUEL TWIN-CYLINDER UAV ENGINE SUCCESSFULLY COMPLETES MAJOR DEVELOPMENT MILESTONE

Northwest UAV has taken their newest engine – the NW-88 multi-fuel twin-cylinder UAV engine – from concept to running prototype with a successful test run in their on-site engine test cell. This marks the conclusion of the design phase of development and begins the test and qualification phase. Based on these successful initial test runs, the NW-88 UAV Engine is set to be qualified and in the skies in 2019.

McMinnville, OR: After beginning the program early this year and producing a concept prototype just this May, Northwest UAV is proud to announce the completion of the first test runs on its newest engine, the NW-88 multi-fuel twin-cylinder UAV engine.



Following the successes of the NW-44 engine, the NW-88 multi-fuel twin-cylinder UAV engine is set to fill other mission gaps in the maturing UAS industry. The NW-88 engine is designed to offer endurance and reliability to Group III UAVs (in the 75-150-pound weight class), which are increasingly being used for commercial and military purposes. While organizations are trying to field hobby-grade engines, NWUAV President and Owner Chris Harris has been developing an Aviation Grade solution.

“With the success of our NW-44 single-cylinder UAV engine offering a more reliable, efficient, cost effective solution for Group II UAVs, it’s just a natural progression for us to offer that same reliability and efficiency for UAVs one weight class heavier that are dealing with the same issues,” Chris Harris said. “Due to their still relatively small size, Group III UAVs (in the 75-150-pound weight class) are experiencing the same endurance and reliability issues in their engine options that the Group II UAVs were facing. We have taken what we’ve learned with the success of the NW-44 engine and applied it to the NW-

88 engine. In fact, many of the components on the NW-88 are shared with the NW-44, which reduced the development timeline as well as development costs. Should a customer that operates the NW-44 decide to deploy the NW-88 for an alternate airframe or need more power for a current airframe, many of the spares inventoried for the NW-44 are compatible with the NW-88. This can be very cost effective for our customers.”

Northwest UAV has set the bar for UAS industry standards in propulsion over the last thirteen years, performing well over 10,000 hours of development testing on multiple platforms. All of NWUAV’s systems are designed to operate on heavy fuel or gasoline and fly for more than 18 hours in a broad variety of climates with the highest power to weight ratio. Their patented cooling systems boast the most comprehensive temperature envelope in the industry. NWUAV has taken extra steps to assure their propulsion solutions are straightforward for ease of maintenance whether on-site at their facility or mission deployed, a critical element for all operators. The NW-88 will continue its testing and fine-tuning in NWUAV’s own climate controlled on-site engine testing facilities which include temperature-controlled test stands and altitude chambers.

“Using our own testing facilities allows us to control every aspect of testing and to collect all of the data required to be effective and efficient in the development process.” said Jeff Ratcliffe, Chief Technical Officer of NWUAV. “It allows us to confidently say you can fly even the most difficult missions and expensive payloads at the highest altitudes and in the



broadest weather conditions because we've designed and tested the engine to do just that. The investment we put into testing and perfecting our engines is a big part of the reason the industry is so excited about the NW-88 engine! Well, that and the proven performance and reliability of the NW-44 engine.”

The NW-88 engine is set to complete development testing this year and is expected to be in the skies by the second quarter of 2019.

About Northwest UAV

As America's leader in UAV propulsion system design, development and manufacturing, Northwest UAV (NWUAV) continues to earn its reputation for reliable, cost effective and innovative UAV engines and support systems through meticulous engineering, testing, and manufacturing. Founded in 2005 by President and Owner Chris Harris, NWUAV continues to safely and effectively manage all aspects of product development, from initial concept design through production and beyond to maintenance and overhauls. When reliability is key, count on the team at NWUAV. AS9100-D/ISO9001-2015 certified and DCAA compliant operation.

Find out more about NWUAV:

 www.nwuav.com

 [/company/northwest-uav-propulsion-systems/](https://www.linkedin.com/company/northwest-uav-propulsion-systems/)

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