

CH-53K King Stallion Completes First Sea Trials

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A CH-53K King Stallion helicopter (left) flies over the Chesapeake Bay in Maryland in April after connecting with a drogue towed behind a KC-130J tanker aircraft during an aerial refueling test. The helicopter just finished two weeks of sea trials. U.S. Navy/Erik Hildebrandt

NAVAL AIR STATION PATUXENT RIVER, Md. – The CH-53K King Stallion completed a two-week period of sea trials in the Atlantic earlier this month, the Naval Air Systems Command said in a June 24 release. This was the first opportunity to see the aircraft working in a modern naval environment.

Testing took place on the amphibious assault ship USS Wasp.

“I’m very pleased with how the ship tests went,” said Col. Jack Perrin, H-53 helicopters program manager. “We were able to assess the K taking off and landing day, night and with night-vision goggles, and it performed extremely well.”

According to the CH-53K integrated test team, the sea trials are a series of tests to evaluate the performance of the aircraft at sea. Tests performed during the two weeks included: launch and recovery; rotor start and shutdown; blade fold; and shipboard compatibility testing – all in increasing wind speed and varying wind directions relative to the aircraft.

“The bulk of the testing was in launch and recovery,” said Perrin, “and we nailed it every time, no matter what the wind/sea conditions were. The 53K is now a ‘feet-wet’ warrior from the sea.”

Ship compatibility testing includes towing the aircraft around the deck and in the hangar, performing maintenance while

aboard the ship, ensuring the aircraft fits in all the locations it needs to around the ship deck and hangar, and evaluating chain/tie-down procedures.

The CH-53K King Stallion continues to execute within the reprogrammed CH-53K timeline, moving toward completion of developmental test, leading to initial operational test and evaluation in 2021 and first fleet deployment in 2023-2024.