

Successful flight with Japan's original technology

Registration No.	Number 00338		
Registration Date	September 13, 2022	Registration Category	Category 2 (single or produced in very small quantities product(s))

Name (Model, etc.)	Japan's first purely domestic jet engine: Ne-20		
Location	Akishima-shi, Tokyo		
	IHI Aerospace Museum		
Owner (Custodian)	IHI Corporation		
Manufacturer (Company)	Tokyo Ishikawajima Shipyard (now IHI Corporation)		
Year Manufactured	In around 1945		
Year first appeared	Unknown		
Reason For Selection	It was the first practical jet engine in Japan and one of the earliest in the world. This engine was originally developed for military use, but it was a precursor for the development of jet engines, including those for civilian use. The parts from its development and the documents (reproductions) created by the Rocket Motor Department of the First Navy Technical Factory (Naval Aviation Technology Factory) are also preserved. Originally designed with reference to the structure of the German BMW-003A series, Tokyo Ishikawajima Shipyard (now IHI) received an order for five units in December 1944 and delivered them in August of the following year. It was installed in the twin-engine jet fighter "Kikka" and had a successful first flight at an altitude of 600 m and with a flight time of 12 minutes on August 7, 1945. "Ne" is an abbreviation for the name of the jet engine (nensho rocket / turbine rocket) at that time. After the war, all engines that had been produced were either taken to the continental United States for research and testing or destroyed for confidentiality. This machine, delivered by IHI, was used as instructional material in the United States, and is now on permanent loan to the museum. It is an important indication of the technology of the time.		
Registration Standard	1-A (Show an important aspect or stage of the development of science and technology.)		

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