

## International joint development engine led by Japan

|                   |                    |                       |                                                                     |
|-------------------|--------------------|-----------------------|---------------------------------------------------------------------|
| Registration No.  | Number 00340       |                       |                                                                     |
| Registration Date | September 13, 2022 | Registration Category | Category 2 (single or produced in very small quantities product(s)) |

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|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Name<br>(Model, etc.)     | RJ500 Turbofan Engine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Location                  | Akishima-shi, Tokyo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |
|                           | IHI Aerospace Museum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| Owner<br>(Custodian)      | IHI Corporation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
| Manufacturer<br>(Company) | Ishikawajima-Harima Heavy Industries Co.,Ltd.(now IHI Corporation), Kawasaki Heavy Industries, Ltd., Mitsubishi Heavy Industries, Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| Year Manufactured         | 1982                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| Year first appeared       | 1980                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| Reason For<br>Selection   | <p>It was a turbofan engine for commercial aircraft, with international development led by Japan. Of the two prototypes, one still exists. Joint development with Rolls-Royce began in April 1980 as an engine for a 130-seat passenger aircraft, and in February 1982, 100% thrust was achieved in an operation test. Development was suspended due to the severe downturn of the global aviation industry at that time, but the results contributed to the subsequent development of the V2500. It is significant for showing that Japan's jet engine technology for commercial aircraft was at a high level in international comparison.</p> |  |  |
| Registration<br>Standard  | 1-A (Show an important aspect or stage of the development of science and technology.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |

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| Open/Closed<br>to Public    | Closed to Public                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |
| Photo                       |  <p>A large, silver, cylindrical turbofan engine is displayed in a museum. The engine is mounted on a white stand and is surrounded by informational panels. The engine's large fan is the most prominent feature, with many blades visible. The background shows other parts of the museum, including a large white structure and a blue wall.</p> |  |  |
| Other useful<br>information |                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |