



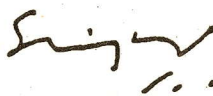
**GOVERNMENT OF INDIA  
MINISTRY OF DEFENCE  
DEFENCE R&D ORGANISATION  
CENTRE FOR MILITARY AIRWORTHINESS & CERTIFICATION  
MARATHAHALLI COLONY P.O  
BANGALORE - 560 037**

**TYPE APPROVAL NUMBER : 809**

This is to certify that the Chromium Carbide-Nickel Chromium Coating Process, developed by M/s HAL Engine Division, Post Bag No.9310, Bangalore - 560 093 using the Detonation Gun Facility available at M/s Advanced Research Centre for Powder Metallurgy, Hyderabad has been tested as per the Test Schedule No.RTO/Eng/16-2(L-20) Dated 2nd June 1992, in coordination with RCMA(Engines), Bangalore, for application on LP Turbine Rotor Blades of Adour Engine subject to limitations detailed in the Type Record.

2. The Type Approval number quoted above must be reflected in all drawings, contracts & release notes.
3. This approval is contingent upon the quality control aspects of bulk production being cleared by DGAQA, Ministry of Defence, Govt. of India.
4. This Type Approval is valid for a period of three years upto 30th June 2000 and will have to be renewed subsequently.
5. Prior agreement of Centre for Military Airworthiness & Certification, (CEMILAC) Bangalore, will have to be obtained if this approval is to be transferred to any other agency or if changes within the Type Record enclosed are effected.

Encl : Appendix 'A'  
No. : CEMILAC/5070/TA-809  
Date : 15 Sept 1997  
Fax No.: 080-5230856

  
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