



GOVERNMENT OF INDIA
OFFICE OF THE DIRECTOR GENERAL OF CIVIL AVIATION
TECHNICAL CENTRE, OPP SAFDURJUNG AIRPORT, NEW DELHI

CIVIL AVIATION REQUIREMENTS

SECTION 2 - AIRWORTHINESS

SERIES 'S' PART II

2nd May, 1974

EFFECTIVE: FORTHWITH

Subject: Fixation of Calendar period, for determining overhaul life of reciprocating engines.

1. PURPOSE:

This part of CAR specifies a maximum overhaul period on calendar basis between two consecutive overhauls, irrespective of the operational life of the engine in terms of operating hours, to ensure safety/ airworthiness of engines even when the utilisation is low.

This CAR is issued under the provision of Rule 133A of the Aircraft Rules, 1937.

2. APPLICABILITY:

This applies to all types of reciprocating engines and the accessories mounted on such engines unless any particular accessory has been specifically permitted to operate otherwise.

3. SCOPE:

Prolonged storage or very irregular and low utilisation may lead to internal deterioration of engines even when preserved under recommended conditions. Hence an indefinite lapsed period between overhaul of such engines may not always ensure adequate safety during subsequent operation.

It is therefore stipulated that all reciprocating engines must be completely stripped, thoroughly inspected, reassembled and tested at least once in ten years, irrespective of the operation life, if the engines are otherwise not due for complete overhaul. Any extension of calendar period, beyond ten years, will not be normally considered.

Note: *However, if the manufacturer has laid down overhaul periodicity on calendar basis between two consecutive overhauls, the manufacturer's requirement prevails.*

Notwithstanding the above, officers incharge of Regional/ Sub-Regional Airworthiness Office may require the overhaul of an engine earlier than 10 years period, if there is evidence to the effect that the engine has deteriorated internally.

Sd/-
(N. Ramesh)
Dy. Director General of Civil Aviation
for Director General of Civil Aviation