



**LAA TYPE ACCEPTANCE DATA SHEET  
TADS P25  
HAMILTON STANDARD**

Issue 1	Initial issue	Dated 17/03/21	JP
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This TADS is intended as a summary of available information about the propeller type and should be used during the overhaul, operation and permit revalidation phases to help owners and inspectors. Although it is hoped that this document is as complete a summary as possible, other sources contain more complete information, e.g. the manufacturer's website.

Section 1 contains general information about the propeller type and its variants.

Section 2 contains information about the propeller type that the LAA considers **mandatory** and must be complied with.

Section 3 contains advisory information that owners and inspectors should review to help them maintain the propeller in an airworthy condition. If due consideration and circumstances suggest that compliance with the requirements in this section can safely be deferred, is not required or not applicable, then this is a permitted judgement call. This section also provides a useful repository for advisory information gathered through defect reports and experience.

**Section 1 Introduction**

1.1 Contact Information

UK Contact: n/a

Manufacturer contact information:

Address: n/a

Tel: n/a

Email: n/a

Website: n/a

1.2 Description

American produced (now of production) certified aluminium propellers usually found fitted to the larger variety of radial piston engines. Hamilton became a division of United Aircraft Corporation in 1934 and later, in 1999, merged with Sundstrand Corporation, forming Hamilton Sundstrand. Various other mergers took place: firstly, with Goodrich Corporation to become UTC Aerospace Systems and then with Rockwell Collins to form Collins Aerospace.

There are three aircraft in the LAA administered fleet fitted with Hamilton Standard propellers.

**Section 2 Mandatory information for owners, operators and inspectors**

At all times, responsibility for the maintenance and airworthiness of an aircraft (including the propeller) rests with the owner. A condition stated on a Permit to Fly requires that: *"the aircraft shall be maintained in an airworthy condition"*.

2.1 Lifed Items

No type-specific information, refer to any specific manufacturer's information wherever possible



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### 2.2 Operator's Manuals

Where possible, the manuals describing setup, operation and maintenance procedures for the propeller should be obtained from the manufacturer or importer and retained with the aircraft's records.

### 2.3 Maintenance Schedule

Standard maintenance procedures apply. Refer to specific manufacturer's information wherever possible.

Propellers fitted to LAA administered aircraft that are maintained either in accordance with the manufacturer's maintenance schedule, the CAA Light Aircraft Maintenance Schedule (LAMS) [CAP 411](#) or the LAA Generic Maintenance Schedule, further details of which can be found in LAA Technical Leaflet [TL 2.19: The LAA Generic Maintenance Schedule](#). Note: The CAA and LAA produced maintenance schedules were originally written around the maintenance requirements of aircraft fitted with traditional aircraft engines and propellers.

Some aircraft may have mandated maintenance requirements and/or schedules which are stated on the aircraft's Operating Limitations document and these must be followed.

More information on maintenance schedules can be found in the [Aircraft Maintenance](#) section of the LAA website.

Variable pitch propellers require a dedicated log book. Log books can be purchased from the [LAA Online Shop](#).

### 2.4 Airworthiness Directives

No type-specific applicable Airworthiness Directives at this time.

Check the [FAA AD Library](#) for ADs subsequently issued. If the original manufacturer cannot be found in the list, use the search function as the TC holder may have changed.

### 2.5 Mandatory Permit Directives

No type specific MPDs at this time.

Check CAA [CAP 661](#) which lists MPDs issued before 31 January 2012 and is no longer being updated.

The CAA now provides links to MPDs issued after 31 January 2012 on the [CAA MPD Listing](#) page of their website.

The LAA website should be checked for MPDs that are non-type specific in LAA Technical Leaflet [TL 2.22: Non-Type Specific MPDs](#).

### 2.6 CAA Mandatory Requirements for Airworthiness CAP747 and Civil Aircraft Airworthiness Information and Procedures (CAAIP) CAP562

No type-specific requirements or information at this time.

CAA publications [CAP 747](#) and [CAP 562](#) contain information that may be relevant to LAA administered aircraft and should be checked for applicability.



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In particular, refer to [CAP 747](#) Generic Requirement GR No. 17 which concerns the maintenance requirements for variable pitch propellers installed on aircraft holding a UK Certificate of Airworthiness but may also be pertinent to LAA administered aircraft.

2.7 LAA Required Modifications (including LAA issued AILs, SBs, etc)

No type-specific required modifications at this time.

2.8 Operating Limitations to be Placarded or Shown by Instrument Markings

The Operating Limitations document for the aircraft will specify aircraft and powerplant limitations for that particular aircraft. Where a propeller is being fitted in accordance with a Propeller Type List ([PTL/1](#)), any limitations proscribed by the relevant [PTL/1](#) document must be adhered to.

Notes:

- Refer to the propeller manufacturer's latest documentation for the definitive parameter values and recommended placards.
- Data stated on the aircraft's Operating Limitations document must be displayed by means of cockpit placards or instrument markings.

**Section 3 Advice to owners, operators and inspectors**

3.1 General

Where possible, the manuals describing setup, operation and maintenance procedures for the propeller should be obtained from the manufacturer or importer and retained with the aircraft's records.

3.2 Standard Options

There are no Standard Options for any propellers fitted to LAA administered aircraft at this time.

3.3 Manufacturer's Information (including Service Bulletins, Service Letters, etc)

In the absence of any over-riding LAA classification, inspections and modifications published in the manufacturer's continuing airworthiness data should be satisfied according to the recommendations therein. It is the owner's responsibility to be aware of and supply such information to their inspector.

There may be useful archived information available for purchase via [Aircorps Library: Hamilton Standard Propellers](#) or via the [FAA Type Certificate Data Sheets](#).

3.4 Special Inspection Points

None

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Please report any errors or omissions to LAA Engineering: [engineering@laa.uk.com](mailto:engineering@laa.uk.com)