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## TEMPORARY REVISION

### TR 15-01

#### COOLANT TEMPERATURE LIMIT

This Temporary Revision TR 15-01 is approved and is valid in conjunction with the latest revision of the DA20-A1 Airplane Flight Manual (AFM) until this Temporary Revision has been incorporated into the AFM.

This Temporary Revision:

- Adds a new CHT/Coolant temperature limit due a change in the Rotax temperature sensor position.

The limitations and information contained herein either supplement or, in the case of conflict, override those in the Airplane Flight Manual.

<b>Doc. No.</b>	<b>Chapter</b>	<b>Affected Pages</b>
DA202, Rev. 18	Chapter 2	2-4, 2-5

Instructions:

- Print on yellow paper (single-sided) at a reduced size of 72% to get the correct size for the AFM.
- Cut the paper to 6" wide by 8.5" and punch the holes on the left side of each page.
- Insert this cover page as the first page of the AFM.
- Insert Page 2-4 and 2-5 of this Temporary Revision in front of Page 2-4 in the AFM
- Sign the Temporary Revision Log as having inserted this Temporary Revision.

## (a) Cylinder Head Temperature

Maximum : 302 °F (150 °C)

With Service Bulletin DA20-72-03L Rev 2 installed:

Maximum : 253 °F (122.8 °C)

With Service Bulletin DA20-72-04 installed (Note: this service bulletin changes the limitation from CHT to Coolant Temperature maximum. CHT maximum is no longer applicable)

Maximum (Coolant) : 248 °F (120 °C)

## (b) Fuel Specifications

Approved Fuel Grades : AVGAS 100LL

## (c) Oil Grades

: 4 stroke motorcycle oil of a registered brand with gear additives that meets or exceeds API classification SF or SG are highly recommended.

(also see Page 1-7 for additional information on the selection of suitable lubricants)

**2.4.2 PROPELLER**

## (a) Propeller Manufacturer

: Hoffmann Propeller,  
Rosenheim/Germany

## (b) Propeller Type

: HO-V352F/170FQ or  
HO-V352F/C170FQ

## (c) Propeller Diameter

: 5 ft 6.9 in (1.70 m)

## (d) Propeller Pitch (at 3/4 radius)

: 10 degrees - 35 degrees

## (e) Propeller Speed Limitations

Max. T/O RPM (max. 5 min.) : 2550 RPM

Max. Continuous RPM : 2420 RPM

## 2.1 POWERPLANT INSTRUMENT MARKINGS

Powerplant instrument markings and their color code significance are shown below:

Instrument	Red Line/ Lower Limit	Green Arc/ Normal Operating Range	Yellow Arc/ Caution Range	Red Line/ Upper Limit
Tachometer	-	950 - 2420 RPM	2420 - 2550 RPM	2550 RPM
Oil Temperature Indicator	122 °F (50 °C)	122 - 284 °F (50 - 140 °C)		284 °F (140 °C)
Cylinder Head Temperature Indicator	-	-	-	302 °F (150 °C)
Cylinder Head Temperature Indicator	With SB DA20-72-03 installed			253 °F (122.8 °C)
Coolant Temperature Indicator	With SB DA20-72-04 installed			248 °F (120 °C)
Oil Pressure Indicator	22 psi (1.5 bar)	22 - 73psi (1.5 - 5 bar)	73 - 102psi (5 - 7 bar)	102 psi (7 bar)
Oil Pressure Indicator for gauges delivered after March 2001	12 psi (0.8 bar)	29 - 73 psi (2 - 5 bar) Above 1540 RPM	12 - 29 psi (0.8 - 2 bar) Below 1540 RPM  73 - 102 psi (5 - 7 bar)	102 psi (7 bar)

## 2.2 MISCELLANEOUS INSTRUMENT MARKINGS

Instrument	Red Line/ = Lower Limit	Green Arc/ = Normal Operating Range	Yellow Arc/ = Caution Range	Red Line/ = Upper Limit
Voltmeter	8 - 11 Volts	12.5 - 16 Volts	11 - 12.5 Volts	16.1 Volts