PRECAUTIONARY INSPECTION OF SR 3000/3N PROPELLERS

This Service Bulletin is issued in line with the procedures subject to LAA ČR č. 34/92 authorisation

Type certificate holder:	Type / Model:
Aleš KŘEMEN	**SR 3000/3WN Propeller** Three-bladed, in flight adjustable

Type certificate number	ULL – 04/2008
Related documents	Annex No. 1
Replaces	Service Bulletin No UL / 2017, Rev. 00, which is hereby cancelled. New Rev. 01 extends the range of relevant propellers serial numbers
Manufacturer	Woodcomp Propellers s.r.o.
Applies to	Propellers of following serial numbers installed on AutoGyro:

39013 **40013** **41013** **42013** **43013**	**44013** **45013** **46013** **47013** **48013**	**11024** **13024** **56043** **30053** **10024**	**15024**

Reason	Woodcomp has received report of propeller blade loose from SR-3000/3N propeller installed on AutoGyro. Plane has emergency landed without any crew injury Even though reason of failure was not fully investigated yet, due to safety reasons immediate administrative and technical inspection of affected propellers must be performed First examination shows that reason of failure is probably fatigue crack in blade root. Preliminary investigation also suggests that full scope of mandatory inspections was not performed on affected propellers.
Effective date	09 MAY 2017
Work procedure	1. Check when and with what result mandatory inspections were performed, especially medium repair (700 operating hours or 24 months) and overhaul (1400 operating hours or 48months) including penetrant tests of blade roots which are prescribed in maintenance documentation. 2. If mandatory inspections were not performed or there are doubts upon proper accomplishment of inspections , remove propeller from airplane and it ship to manufacturer: Woodcomp Propellers s.r.o. Vodolská 4, Dolínek 250 70 Odolena Voda Czech Republic

	3. To facilitate transport, it is possible to remove propeller blades from hub in accordance with Annex No.1. 4. Ship Propeller Logbook along with propeller, with all records properly filled (operating hours, inspections and repairs).
Action	If all mandatory inspections were performed properly, no special actions are needed and propeller can operate normally until next regular inspection. Other affected propellers will be inspected in scope of medium repair or overhaul depending on propeller condition, age and service hours. Manufacturer will take measures to finish the inspections in factory as soon as possible. Operator resp. approved maintenance organisation will be informed about the terms. In case of any doubt contact Woodcomp Propellers s.r.o. : Tel: +420 283 971 309 Fax: +420 283 970 286 Mail: info@woodcomp.cz
Work to be performed	a) Propeller removal and transport: Operator b) Inspection, repair: Woodcomp Propellers s.r.o.
Schedule	Immediately
Costs borne by	a) Operator b) Inspections will be performed by Woodcomp Propellers s.r.o. free of charge. If replacement of excessively worn parts will be needed, Woodcomp will ship inspection findings with price proposal.
Material necessary	N/A
Remarks	N/A

Manager Accountable: Name: Aleš Křemen Sign:	Quality Manager: Name: Václav Matoušek Sign:	**Rev. 01** Date: 09 MAY 2017

Propeller blades removal

1. Remove securing wire from three pairs of Allen head screws **pos. 11** on propeller blade retention nut. Use 5mm Allen key to gradually loosen the screws, and remove them.
2. Loosen retention nut **pos. 52** using wrench P-303 and use your hand to unscrew retention nut from propeller hub. Pull propeller blade from propeller hub. If blade does not leave the hub, it sticks to walls of the hole by grease layer. Try to rotate the blade and pull it at the same time.
3. Remove axial bearing **pos.44, 45,** and slider **pos.13** from the space where propeller blade was, unless the parts were stuck to propeller blade by grease layer and have not been removed along with blades. Use grease to stick the parts onto ferrule of removed propeller blade.
4. Put protective pouch onto removed blade and secure it by tape to ensure that bearings and sliders cannot get lost.
5. Remove propeller blades 2 and 3 in the same way.