



SCHWEIZER SERVICE LETTER

L-166
13 Dec 1999

SUBJECT: NEW RETIREMENT TIME LIFE FOR 269A5103-51 INPUT PINION AND 269A5194 CARRIER ASSEMBLY INSTALLED IN MODEL 269C-1 HELICOPTERS

MODELS AFFECTED: Model 269C-1 and 269C Helicopters.

REFERENCE: Handbook of Maintenance Instruction Appendix B, Tables B-4 and B-5.

Schweizer Aircraft has received FAA approval for a new 8,000 hour time life limit on both the 269A5103-51 Input Pinion and the 269A5194 Carrier Assembly of the 269A5175-23 Main Rotor Transmission Assembly when installed in the Model 269C-1 helicopter. These new time life limits are only applicable when the Main Rotor Transmission is installed in the Model 269C-1 helicopter. These new time life limits do not apply when these assemblies are installed in the Model 269C helicopter. If a 269A5175-23 Transmission Assembly is installed in the Model 269C helicopter, the overhaul schedule of 3,000 hours still applies and the time life limit of 6,000 hours is still applicable to the 269A5103-51 Input Pinion and 269A5194 Carrier Assembly.

All 269A5175-23 Main Rotor Transmissions removed from Model 269C-1 helicopters that were overhauled at 4,000 hours without replacement of the pinion or carrier and are presently installed in a Model 269C-1 helicopter, can remain in service until the new Input Pinion Assembly and Ring Gear Carrier Assembly time life limits are reached. The component log cards issued for the transmission assembly and components installed in the transmission are to be modified to show this change. When making the entry into the records, reference this letter and the HMI Appendix B, Table B-5 changes.

As a reminder, the "CAUTIONS" at the beginning of Tables B-4 and B-5 about interchanging overhauled assemblies and time life limited components between helicopter models should be reviewed. These cautions tell you that "Limited-life" components and assemblies are "Restricted to the lowest service life indicated." As an example, if the Main Rotor Transmission Assembly accumulates time in a Model 269C helicopter and is then moved to a Model 269C-1 helicopter, the lower Model 269C helicopter overhaul schedule of 3,000 hours and component time life limits of 6,000 hours apply to the assemblies. The higher overhaul limit of 4,000 hours and component life limits of 8,000 hours cannot be applied even though the transmission has been installed in a Model 269C-1 helicopter.

It is very important that operators keep accurate records of the installation of the affected assemblies in specific model helicopters. If a transmission is used in a Model 269C helicopter and is overhauled at 3,000 hours, then is installed in a Model 269C-1 helicopter, the pinion and carrier will have to be replaced before the transmission reaches the 4,000 hours overhaul schedule. The reverse is true also. If the transmission starts in a 269C-1 and after overhaul is installed in a 269C, the pinion and carrier will have to be removed before the next overhaul. In both cases, the transmissions must be removed 1,000 hours before the scheduled overhaul because the Input Pinion and Carrier Assembly life limits are restricted to the lower 6,000 hours.

SAC's overhaul exchange program will now require that all returned transmission cores have clear records showing the model helicopter it was installed in. Transmissions returned to SAC will be overhauled and placed in inventory based on the model helicopter they were removed from.

SCHWEIZER AIRCRAFT CORP.

A handwritten signature in cursive script that reads "David J. Roemer".

David J. Roemer, Manager
Customer Support Services