



SCHWEIZER SERVICE BULLETIN

DB-031
01 Sep 2009

MANDATORY

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SUBJECT: OIL COOLER IMPELLER BLADE CONTAINMENT KIT

MODELS AFFECTED: All 269D Series Helicopters

TIME OF COMPLIANCE: At next 25 hour inspection or two months from receipt of this bulletin, whichever occurs first.

REFERENCE: 269D Basic HMI, Revised: 03 Apr 2009, 269D Config. "A" Basic HMI, Revised: 17 Apr 2009.

- PREFACE:**
- Reports have been received of cracking and separation of the air vanes (blades) of the oil cooler impeller. A recent incident involved separation of all vanes resulting in damage to the oil cooler and loss of engine oil pressure. Inspection of the subject impellers determined that the separations were due to fatigue cracks at the root ends of the vanes. A containment kit has been developed to prevent the escape of any separated impeller vane from the scroll assembly.
 - Installation of this kit relieves the operator from performing the daily and 25 hour inspections required by Service Bulletin DB-27.2. Here after, inspection of the cooling impeller will be performed in accordance with the 100 hour inspection requirements found in the Basic HMI Appendix B, Table B-2.

WARNING

FAILURE TO COMPLY WITH THIS SERVICE BULLETIN MAY RESULT IN LOSS OF CONTROL, INJURY TO, OR DEATH OF THE CREW AND OCCUPANTS, AND/OR PROPERTY DAMAGE.

FAA APPROVAL: The technical aspects of this Service Bulletin are FAA approved.

PARTS REQUIRED: SA-269DK-048 Scroll Housing Blade Containment Shielding Kit

PROCEDURE:

- Install SA-269DK-048 containment kit in accordance with instructions found on face of kit drawing.
- Record compliance with this Service Bulletin in aircraft records.

WEIGHT AND BALANCE

Weight and Balance are not affected.