



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 19-203

Issued: 12 November 2019

Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name:

WSK "PZL-ŚWIDNIK" S.A.

Type/Model designation(s):

PZL SW-4 helicopters

Effective Date: [TBD - standard: 14 days after AD issue date]

TCDS Number(s): EASA R.100

Foreign AD: None

Supersedure: Not applicable

ATA 62 – Main Rotor – Lower and Upper Torque Scissors – Inspection

Manufacturer(s):

Wytwórnia Sprzętu Komunikacyjnego (WSK) "PZL-Świdnik" S.A. (PZL Świdnik)

Applicability:

PZL SW-4 helicopters, all serial numbers.

Definitions:

For the purpose of this AD, the following definitions apply:

Affected part: Lower Torque Scissors, having Part Number (P/N) 60.02.250.00.01; and Upper Torque Scissors, having P/N 60.02.260.00.02.

The ASB: WSK "PZL-Świdnik" S.A. Alert Service Bulletin (ASB)-60-19-96.

Reason:

An occurrence was reported where incorrectly installed and damaged Lower Torque Scissors were found after a ground run following maintenance. The consequence of this was residual plastic strain (non-reversible change of metal component shape) of the Lower Torque Scissors Lever P/N 60.02.255.00.00 and wear of the Lower Torque Scissors Link P/N 60.02.256.00.01. Subsequent



investigation identified that the affected Lower Torque Scissors Link P/N 60.02.256.00.01 was incorrectly identified with markings „GÓRA” (top) and „DÓŁ” (bottom) leading to installation in reversed position. Additionally, it was determined that the affected parts (as defined in this AD) are not identified with permanent physical P/N markings, allowing the possibility to install these parts in an incorrect location and orientation.

This condition, if not detected and corrected, could lead to restricted collective and cyclic pitch control, possibly resulting in reduced control of the helicopter.

To address this potentially unsafe condition, WSK "PZL-Świdnik" issued the ASB to provide inspection instruction.

For the reasons described above, this AD requires repetitive inspections, upon installation of an affected part and, depending on findings, correct (re)installation.

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

Inspection(s):

- (1) From the effective date of this AD, before each installation of an affected part on a helicopter, inspect the correctness of the identification markings on each Lower Torque Scissors Link P/N 60.02.256.00.01 and/or Upper Torque Scissors Link P/N 60.02.266.00.01, as applicable, and install the affected part, ensuring that the Lever P/N 60.02.255.00.00, and/or Lever P/N 60.02.265.00.00, as applicable, is correctly positioned and that the Lower Torque Scissors Link P/N 60.02.256.00.01 or Upper Torque Scissors Link P/N 60.02.266.00.01, as applicable, is in correct orientation in accordance with the instructions of the ASB.

Corrective Action(s):

- (2) If, during any inspection, as required by paragraph (1) of this AD, any incorrectly marked Lower Torque Scissors Link P/N 60.02.256.00.01 or Upper Torque Scissors Link P/N 60.02.266.00.01 is detected, before next flight, contact WSK "PZL-Świdnik" S.A. for corrective action instructions and accomplish those instructions accordingly.

Ref. Publications:

WSK "PZL-Świdnik" S.A. ASB-60-19-96 original issue dated 06 September 2019.

The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.

Remarks:

1. This Proposed AD will be closed for consultation on 10 December 2019.
2. Enquiries regarding this PAD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred



on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#).

4. For any question concerning the technical content of the requirements in this PAD, please contact: WSK "PZL- Świdnik" S.A., Al. Lotników Polskich 1, 21-045 Świdnik, Poland; Telephone: (+48) 81 722 6140; E-mail: PL-CustomerSupport.AW@leonardocompany.com.

