

ДИРЕКТИВА ЛЬОТНОЇ ПРИДАТНОСТІ AIR WORTHINESS DIRECTIVE

ДЕРЖАВНА АВІАЦІЙНА СЛУЖБА УКРАЇНИ
(ДЕРЖАВІАСЛУЖБА)

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Нижченаведену Директиву льотної придатності видано Державіаслужбою відповідно до
Авіаційних правил України, частини 39 "Директиви льотної придатності"

Following Airworthiness Directive issued by the State Aviation Administration of Ukraine in accordance with the
Aviation Regulations of Ukraine part 39 "Airworthiness Directives"

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ДЛП-0875-12

An-24, An-26, An-30 aeroplanes СДУ9А-20 (SDU9A-20) sensor operating time checking

1. Reason of the Airworthiness Directive issuing.

During An-24 and An-26 aeroplanes operation there were incidents related to engine in-flight shutdown because of oil pressure drop in engine oil system due to СДУ9А-20 propeller control system pressure sensor diaphragm failure. On the base of investigation it is defined that diaphragms are failed due to diaphragm material fatigue.

In accordance with the information of 'АВИАПРИБОР-ВОСХОД' manufacturer of СДУ9А-20 sensor (letter ref.222/1223 dated 23.07.2009) the following СДУ9А-20 pressure sensor service life and time limit to 1st overhaul and between overhauls are determined - 8 000 hours, what is represented in the following documents:

- Addition 138 to Bulletin 1375-БЭ-Г regarding service lives and time limits of An-24Б (PB) aeroplanes and their appliances;
- Addition 120 to List АН-30-83 of An-30 aeroplanes parts and appliances with service lives and time limits (to 1st overhaul, between overhauls and declared) less than service lives and time limits of the aeroplanes;
- Addition 107 to Bulletin 826-БЭ-Г regarding service lives and time limits of An-26(Б) aeroplanes and their appliances;
- An-26 aeroplanes (all modifications) Instructions for Continued Airworthiness 26.04.00.000.000 ИПЛГ, Issue 2.

2. Applicability.

The Airworthiness Directive is applicable to all An-24, An-26, An-30 aeroplanes.

3. Correction Actions.

Check CДY9A-20 sensor operating time in order to exclude operation of An-24, An-26, An-30 aeroplanes with CДY9A-20 sensor operating time to 1st overhaul and between overhauls more than 8 000 hours. When sensor operating time more than 8 000 hours - sensor must be renewed. If it is impossible to define sensor operating time - sensor must be renewed.

Demounted sensors are subjects to overhaul with CДYA-C67-10 diaphragm renewal.

At further operation monitor CДY9A-20 sensor operating time in accordance with documents mentioned in paragraph 1 of this Airworthiness Directive.

4. Effective Date

This Airworthiness Directive becomes effective a dato.

5. This Airworthiness Directive compliance time - before 01.03.2012.