

LUFTVÄRDIGHETSDIREKTIV (LVD)

Sektion 2. Utlandstillverkad flygmateriel

Denna LVD har utfärdats för att omfatta alla de nationella luftfartyg som inte regleras av EASA utan av det svenska regelverket BCL-M.

TITEL:	Demontering, rengöring och återmontering av turboladdare.
GÄLLER:	Lycoming och TCM turboladdade Kolvmotorer listade men inte begränsat till FAA AD 2011-13-03 med följande Hartzell Engine Technologies, LLC(HET) turboladdade modller TA3601, TAO402,TAO411, TAO413, T1879, T18A21, T18A44, THO867 och TEO659 installerade.
REVISION:	-
ÅTGÄRD:	Utför åtgärder i enlighet med bifogad FAA AD 2011-13-03. Refererad AD finns även tillgänglig på följande Internetadress: www.airweb.faa.gov
TID FÖR ÅTGÄRD:	Enligt FAA AD 2011-13-03, men med denna LVD:s beslutsdatum som utgångspunkt.
UNDERLAG:	Hartzell Engine Technologies, LLC Service Bulletin No.040, revision A, daterad 22 november 2010 eller senare revisioner.
REFERENS:	FAA AD 2011-13-03
BESLUTSDATUM:	1 september 2011
BESLUT:	TSL 2011-4096

Åtgärder enligt LVD utgör nödvändig förutsättning för ifrågavarande flygmateriels luftvärdighet. Referens BCL M 1.11.
Anteckning om åtgärd, som vidtagits i enlighet med LVD, skall införas i teknisk journal för berörd flygmateriel med hänvisning till ifrågavarande LVD-nummer. Angivet underlag refererar till senast gällande revision/utgåva.

Postadress	Gatuadress	Telefonnummer	Faxnummer
602 32 NORRKÖPING	Olai kyrkogata 35	0771-503 503	011-18 52 56



2011-13-03 Lycoming Engines (Type certificate previously held by Textron Lycoming) and Teledyne Continental Motors (TCM) Turbocharged Reciprocating Engines: Amendment 39-16726; Docket No. FAA-2011-0126; Directorate Identifier 2011-NE-03-AD.

Effective Date

(a) This AD is effective July 13, 2011.

Affected ADs

(b) None.

Applicability

(c) This AD applies to the Lycoming Engines and TCM turbocharged reciprocating engines listed in, but not limited to, Table 1 of this AD, with the following Hartzell Engine Technologies, LLC (HET) turbocharger models TA3601, TAO401, TAO402, TAO411, TAO413, T1879, T18A21, T18A44, THO867, and TEO659, installed:

(1) Newly manufactured turbochargers (otherwise known as the -0000 series) before serial number H-NJL00003, or rebuilt (otherwise known as the -9000 series) before serial number H-NJR00002; and

(2) With less than 50 hours time-in-service (TIS) on the effective date of this AD; and

(3) With a part number listed in Table 2 or Table 3 of this AD; and

(4) With a "slanted A" foundry mark located on the center housing and rotating assembly (CHRA).

Table 1—Engines Affected

TSIO-520-BE	TSIO-360-H	TIO-540-AF1A	TIGO-541-E
TSIO-360-MB, SB	O-540-L3C5D	TIO-540-AF1B	GTSIO-520-F
TIO-540-AK1A	TSIO-520-T	TIO-540-AH1A	GTSIO-520-K
L/TSIO-360-RB	L/TO-360-E1A6D	TIO-541-E1D4	GTSIO-520-D
TIO-540-AE2A	TIO-540-AG1A	TIO-541-E1C4	GTSIO-520-H

Table 2—KAES Turbocharger Part Numbers Affected

406990-9004	407540-0003	407540-9003	407800-9003	408590-9012	408610-0001
465292-0001	465292-9001	465292-0002	465292-9002	465292-0004	465292-9004
465398-9002	466011-0002	466011-9002	466304-0003	466304-9003	466642-0001
466642-0002	466642-9002	466642-0005	466642-9005	466642-0006	466642-0007
408610-9001	465398-0002	466642-9001	N/A	N/A	N/A

Table 3—Original Equipment Turbocharger Part Numbers Affected

637374-1	633274-4	635034-2	642518-4	646677	649151-1
649151-2	46C19836	46C19839	46C22924	C295001-0301	C295001-0304
LW-10191	LW-13310	LW-16254	N/A	N/A	N/A

(d) This AD does not require action for:

(1) Turbochargers with more than 50 hours TIS on the effective date of this AD.

(2) Turbochargers with a circled "JT" foundry mark on the CHRA.

(e) This AD does not apply to engines with new or overhauled turbochargers installed on or before September 2001.

Unsafe Condition

(f) This AD was prompted by a turbocharger failure due to machining debris that was not cleaned from the cavities of the center housing and rotating assembly (CHRA), during manufacture. We are issuing this AD to prevent seizure of the turbocharger turbine, which could result in damage to the engine, and smoke in the airplane cabin.

Compliance

(g) Unless already done, disassemble, clean, and reassemble the turbochargers affected by this AD as follows:

Turbochargers With Between 0 and 10 Hours TIS

(1) For affected turbochargers including overhauls, with between 0 and 10 hours TIS on the effective date of this AD, before further flight, disassemble the turbocharger, clean the CHRA center housing cavity, and reassemble the turbocharger.

Turbochargers With More Than 10 Hours TIS But Less Than 50 Hours TIS

(2) For affected turbochargers including overhauls, with more than 10 hours TIS but less than 50 hours TIS on the effective date of this AD, within the next 10 hours TIS, disassemble the turbocharger, clean the CHRA center housing cavity, and reassemble the turbocharger.

(3) Use paragraphs 1 through 10 of the CLEANING CHRA CENTER HOUSING section of Hartzell Engine Technologies, LLC SB No. 040, Revision A, dated December 22, 2010, to do the cleaning.

(4) The reference to Step 16 in paragraph 10 of the CLEANING CHRA CENTER HOUSING section of Hartzell Engine Technologies, LLC SB No. 040, Revision A, dated December 22, 2010, is incorrect. The correct reference is Step 9.

Turbochargers With More Than 50 Hours TIS

(h) For turbochargers with more than 50 hours TIS on the effective date of this AD, no further action is required.

Special Flight Permits

(i) Special flight permits are restricted to day Visual Meteorological Conditions flight only.

Alternative Methods of Compliance (AMOCs)

(j) The Manager, Atlanta Aircraft Certification Office, has the authority to approve AMOCs for this AD if requested using the procedures found in 14 CFR 39.19.

Related Information

(k) For more information about this AD, contact Gary Wechsler, Aerospace Engineer, Atlanta Aircraft Certification Office, 1701 Columbia Avenue, College Park, GA 30337; phone: 404-474-5575; fax: 404-474-5606; e-mail: gary.wechsler@faa.gov.

Material Incorporated by Reference

(l) You must use Hartzell Engine Technologies, LLC Service Bulletin No. 040, Revision A, dated December 22, 2010, to clean the turbocharger.

(m) The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51.

(n) For service information identified in this AD, contact Hartzell Engine Technologies, LLC, 2900 Selma Highway, Montgomery, AL 36108, phone: 334-386-5400; fax: 334-386-5450.

(o) You may review copies of the service information that is incorporated by at the FAA, New England Region, 12 New England Executive Park, Burlington, MA; or at the National Archives and Records Administration (NARA). For information on the availability of this material at the FAA, call 781-238-7125. For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on June 14, 2011.
Peter A. White,
Acting Manager, Engine and Propeller Directorate,
Aircraft Certification Service.