



U.S. Department
of Transportation

**Federal Aviation
Administration**

Southwest Region
Arkansas, Louisiana,
New Mexico, Oklahoma,
Texas

Manufacturing Inspection District Office
2601 Meacham Blvd, SW MIDO-42
Fort Worth, TX 76137

MAR 24 2015

Mr. Bill Huang
Engineer
Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, Texas 75019-3877

FEDERAL AVIATION ADMINISTRATION (FAA)-PARTS MANUFACTURER APPROVAL

Dear Mr. Huang:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR) part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, based on test and computations, and submitted by Superior Air Parts, Inc., with your letter (FAAL-1660) dated December 11, 2014, meet the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Superior Air Parts, Inc., has established the quality system required by § 21.307 at 621 S. Royal Lane, Suite 100, Coppell, Texas 75019-3877. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 59, revision 12. All previous revisions issued remain in effect.

You are reminded that the provisions of 14 CFR parts 21 and 45, noted in our PMA letter of approval dated July 9, 2012, also apply to the enclosed PMA Listing-Supplement No. 59, revision 12. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

Elizabeth C. Campbell
Acting Manager, Fort Worth Manufacturing Inspection
District Office

Enclosure
PMA Listing-Supplement No. 59, revision 12.



U.S. Department
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**Federal Aviation
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FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
Coppell, TX 75019-3805

PMA NO. PQ0060SW
SUPPLEMENT NO. 59
REVISION NO. 12
DATE MAR 24 2015

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seal. Oil. Crankshaft Ass'y	SL13792	P/N LW-13792 P/N LW-12077 P/N LW-11997 P/N 77377	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SL13792, <u>Rev:</u> E, <u>Date:</u> 8/24/04, or later FAA approved revisions.	Lycoming Engines	O-235-C1. -C1A. -C1B. -C1C. -C2A. -C2B. -C2C. -E1. -E1B. -E2A. -E2B. -F1. -F1B. -F2A. -F2B. -G1. -G1B. -G2A. -G2B. -H2C. -J2A. -J2B. -K2A. -K2B. -K2C. -L2A. -L2C. -M1. -M2C. -M3C. -N2A. -N2C. -P1. -P2A. -P2C. -P3C O-290-D. -D2. -D2A. -D2B. -D2C O-320. -A1A. -A1B. -A2A. -A2B. -A2C. -A2D. -A3A. -A3B. -A3C. -B1A. -B1B. -B2A. -B2B. -B2C. -B2D. -B2E. -B3A. -B3B. -B3C. -C1A. -C1B. -C2A. -C2B. -C2C. -C3A. -C3B. -C3C. -D1A. -D1B. -D1C. -D1D. -D1F. -D2A. -D2B. -D2C. -D2F. -D2G. -D2H. -D2J. -D3G. -E1A. -E1B. -E1C. -E1F. -E1J. -E2A. -E2B. -E2C. -E2D. -E2F. -E2G. -E2H. -E3D. -E3H. -H1AD. -H1BD. -H2AD. -H2BD. -H3AD. -H3BD IO-320-A1A. -A2A. -B1A. -B1B. -B1C. -B1D. -B1E. -B2A. -C1A. -C1B. -D1A. -D1B. -D1C. -E1A. -E1B. -E2A. -E2B. -F1A AIO-320-A1A. -A1B. -A2A. -A2B. -B1B. -C1B LIO-320-B1A. -C1A AEIO-320-D1B. -D2B. -E1A. -E1B. -E2A. -E2B

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

SUPERIOR AIR PARTS, INC.
 621 S. Royal Lane, Suite # 100
 Coppell, TX 75019-3805

PMA NO. PQ0060SW
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Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seal. Oil. Crankshaft Ass'y	SL13792	P/N LW-13792 P/N LW-12077 P/N LW-11997 P/N 77377	Test and Computations per 14 CFR §21.303. <u>DWG No:</u> SL13792. <u>Rev:</u> E. <u>Date:</u> 8/24/04. or later FAA approved revisions.	Lycoming Engines	O-360-A1A. -A1AD. -A1C. -A1D. -A1F. -A1F6. -A1F6D. -A1G. -A1G6. -A1G6D. -A1H. -A1H6. -A1LD. -A1P. -A2A. -A2D. -A2E. -A2F. -A2G. -A2H. -A3A. -A3AD. -A3D. -A4A. -A4AD. -A4D. -A4G. -A4J. -A4K. -A4M. -A4N. -A4P. -A5AD. -B1A. -B1B. -B2A. -B2B. -B2C. -C1A. -C1C. -C1E. -C1F. -C1G. -C2A. -C2B. -C2C. -C2D. -C2E. -C4F. -C4P. -D1A. -D2A. -D2B. -E1AD. -E1A6D. -E1BD. -E2AD. -E2BD. -F1A6. -G1A6. -J2A HO-360-A1A. -B1A. -B1B. -C1A IO-360-A1A. -A1B. -A1B6. -A1B6D. -A1C. -A1D. -A1D6. -A1D6D. -A2A. -A2B. -A2C. -A3B6. -A3B6D. -A3D6D. -B1A. -B1B. -B1C. -B1D. -B1E. -B1F. -B1F6. -B1G6. -B2E. -B2F. -B2F6. -B4A. -C1A. -C1B. -C1C. -C1C6. -C1D6. -C1E6. -C1E6D. -C1F. -C1G6. -D1A. -E1A. -F1A. -J1AD. -J1A6D. -K2A. -L2A. -M1A. -M1B LO-360-A1G6D. -A1H6. -E1AD. -E1A6D. -E1BD. -E2AD. -E2BD TO-E1A6D AIO-360-A1A. -A1B. -A2A. -A2B. -B1B HIO-360-A1A. -A1B. -B1A. -B1B. -C1A. -C1B. -D1A. -E1AD. -E1BD. -G1A IVO-360-A1A LIO-360-C1E6. -M1A LTO-360-E1A6D TIO-360-A1A. -A1B. -A3B6 AEIO-360-A1A. -A1B. -A1B6. -A1C. -A1D. -A1E. -A1E6. -A2A. -A2B. -A2C. -B1B. -B1D. -B1F. -B1F6. -B1G6. -B1H. -B2F. -B2F6. -B4A. -H1A. -H1B

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

SUPERIOR AIR PARTS, INC.

621 S. Royal Lane, Suite # 100

Coppell, TX 75019-3805

PMA NO. **PQ0060SW**

SUPPLEMENT NO. 59

REVISION NO. 12

DATE MAR 24 2015


Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seal, Oil, Crankshaft Ass'y	SL13792	P/N LW-13792 P/N LW-12077 P/N LW-11997 P/N 77377	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SL13792, <u>Rev:</u> E, <u>Date:</u> 8/24/04, or later FAA approved revisions.	Lycoming Engines	LH10-360-C1A, -C1B O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -A4E5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -E4A5, -E4B5, -E4C5, -F1A5, -F1B5, -J1A5D, -J1B5D, -J1C5D, -J1D5D, -J2A5D, -J2B5D, -J2C5D, -J2D5D, -J3A5, -J3A5D, -J3C5D, -L3C5D IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5, -C4D5D, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -E1C5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -P1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5, -V4A5D, -W1A5, -W1A5D, -W3A5D, -AB1A5, -AE1A5, -AF1A5 T10-540-C1A, -E1A, -G1A, -H1A, -K1AD, -AA1AD, -AB1AD, -AB1BD, -AF1A, -AF1B, -AG1A, -AK1A AEIO-540-D4A5, -D4B5, -D4C5, -D4D5 LTIO-540-K1AD


----- END OF DATA -----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.


 Scott Horn, Manager
 Airplane Certification Office
 ASW-150


 Carlton N. Cochran, Manager
 Fort Worth Manufacturing Inspection
 District Office, SW MIDO-42