



Piper Aircraft, Inc.
2926 Piper Drive
Vero Beach, FL, U.S.A. 32960

SERVICE NO. 1274 LETTER

Date: January 6, 2020

(S) (M)

MAINTENANCE ALERT

SUBJECT: HARTZELL PROPELLER PREFERRED GREASE

MODELS AFFECTED: All Piper Aircraft models with Hartzell propellers installed

COMPLIANCE TIME: Each Hartzell propeller lubrication

APPROVAL: The engineering aspects of this service document have been shown to comply with the applicable Federal Aviation Regulations and are FAA approved.

PURPOSE: Hartzell Propeller, Inc., has announced that, beginning in January of 2020, their preferred propeller lubricant will be NYCO GN 3058.

INSTRUCTIONS:

NOTE: The following instructions provide information that differs from the Lubrication Chart in the applicable Piper Airplane Maintenance Manuals (AMM) and Service Manuals (SM) currently. This information will be incorporated into a future revision of the affected Piper AMMs and SMs.

Hartzell Propeller, Inc., has received multiple field reports of propellers exhibiting leaks, and their investigation into the cause of the leaks resulted in their decision to change the preferred lubricant. Hartzell will implement the use of NYCO GN 3058 Grease as their preferred grease in the production of new propellers beginning on January 1, 2020. Also, in January of 2020, Hartzell will introduce revised Instructions for Continued Airworthiness indicating NYCO GN 3058 as their preferred grease. The attached letter from Hartzell explains their investigation and includes information vital to the servicing of Hartzell propellers.

1. Insert a copy of this service letter (including the attachment) as a reference in the Lubricant Chart area of Chapter 12 of applicable Piper AMMs or Section VIII of applicable Piper SMs.

NOTE: The inserted copy of this service letter is to be removed from an applicable manual only after the lubricant chart in that manual has been updated to reflect the changes described in this service letter.

2. Prior to servicing the Hartzell propellers of any Piper Aircraft model, review this service letter, including the attached letter from Hartzell.

NOTE: NYCO GN 3058 grease will be available as 400 gram cartridges, 1 kilogram cans and 35 pound pails.

NOTE: For the initial three (3) months, the new preferred grease will be available at introductory prices through an agreement with NYCO, if it is purchased through Hartzell. Refer to the attached letter for details on the offer.

CAUTION: MIXING OF NYCO GN 3058 WITH OTHER GREASES IS NOT PERMITTED. IF NYCO GN 3058 IS INADVERTENTLY MIXED WITH ANOTHER GREASE, THE PROPELLER WILL NEED TO BE REMOVED FROM THE AIRCRAFT, DISASSEMBLED, CLEANED AND SERVICED WITH ALL NEW GREASE.

3. When servicing any Hartzell constant speed propeller, refer to the label on the propeller to determine the proper grease for lubrication. It is imperative that technicians refer to this label when servicing the propeller to assure that they use the same grease currently in service in the propeller as defined on the label attached to the propeller.

- Factory new propellers delivered January 1, 2020, or later will be lubricated with the new NYCO GN 3058 grease and it should state that on the propeller label.
- Propellers overhauled January 1, 2020, or later should be lubricated with the new NYCO GN 3058 grease and it should state that on the propeller label.
- Older propellers currently in service will be lubricated with other greases and must be lubricated with the grease indicated on the label until their next overhaul.

NOTE: If the owner/operator desires to change the grease earlier than the next propeller overhaul, the propeller must be removed from the aircraft, disassembled, cleaned and serviced with all new grease per the applicable Hartzell service literature.

MATERIAL REQUIRED: As required, NYCO GN 3058 grease, for Hartzell propeller lubricant

AVAILABILITY OF PARTS: Refer to the attached letter and distributor list

EFFECTIVITY DATE: This service letter is effective upon receipt.

SUMMARY: Please contact your Piper Approved Service Center to make arrangements for compliance with this service letter in accordance with the compliance time indicated.

NOTE: Please notify the factory of any address/ownership corrections. Changes should include aircraft model, serial number, and current owner's name and address.

Corrections and/or changes should be directed to:

PIPER AIRCRAFT, INC.

Att'n: Customer Service

2926 Piper Drive

Vero Beach, FL 32960

or:

CustomerService@piper.com

Please include in subject line: "Aircraft ownership update"



Hartzell Propeller Inc.
One Propeller Place
Piqua, OH 45356-2634 USA
Tel: +1-937-778-4200
Fax: +1-937-778-4215
www.hartzellprop.com

November 1, 2019

Subject: Introducing NYCO Grease GN 3058 as Hartzell Propeller's Preferred Lubricant

Hartzell has received an increasing number of field reports of propellers exhibiting leaks. Our investigation of these reports have determined the vast majority of these leaks are the result of oil separation in the grease used to lubricate the blade thrust bearings. Further investigation revealed the formulation of our previously preferred lubricant had been revised and the revised formula seemed to exhibit a higher degree of oil separation.

Hartzell undertook an initiative to address the findings of our investigation. As part of this initiative, we subjected a variety of greases from our preferred manufacturer, as well as greases from various other manufacturers, to a series of test. This testing confirmed the increase in the oil separation characteristics of the revised formulation of our preferred grease and revealed that there were several grease options that provided better overall performance. As a result of the testing, we would like to take this opportunity to inform you that Hartzell Propeller Inc. has selected NYCO Grease GN 3058 as our preferred grease.

NYCO Grease GN 3058 is a newer lithium complex synthetic grease that is making inroads into the aviation field. In our testing, NYCO GN 3058 exhibited the least amount of oil separation of all the greases tested. In addition to exhibiting the highest degree of stability, NYCO GN 3058 provides improved wear resistance, improved corrosion resistance and better resistance to water washout.

This letter is intended to serve as an advanced notification of Hartzell's decision to switch to NYCO GN 3058 as our preferred grease. Beginning January 1, 2020, Hartzell Propeller Inc. will implement the use of NYCO GN 3058 Grease as our preferred grease in the production of new propellers. Also, in January of 2020, Hartzell will introduce revised Instructions for Continued Airworthiness indicating NYCO GN 3058 as our preferred grease.

As has been our practice for many years, new propellers will contain a label that indicates the type of grease used to lubricate the propeller during initial manufacture. Additionally, we require the use of a similar label on propellers that have been overhauled in the field. It is imperative that your technicians refer to this label when servicing the propeller to assure that they use the same grease currently in service on the propeller as defined on the label attached to the propeller. Mixing of NYCO GN 3058 with other greases is not permitted. If NYCO GN 3058 is inadvertently mixed with another grease, the propeller will need to be removed from the aircraft, disassembled, cleaned and serviced with all new grease. This corrective action will be required within thirty flight cycles or three months from when the propeller was inappropriately greased; whichever occurs first.



Hartzell recognizes the impact this change may have on the aviation community and has partnered with NYCO to take actions to make this switch as convenient as possible. First, NYCO has a network of over twenty-five distributors located around the world. They are working to place various quantities of product at these distributors in preparation for the December implementation. The grease will be available as 400 gram cartridges, 1 kilogram cans and 35 pound pails. A list of NYCO distributors and their location is included with this letter. Next, Hartzell will maintain stocks of the grease, in the previously mentioned packaging, at our location in Piqua, Ohio beginning November 25, 2020. Lastly, we have worked with NYCO to provide the new grease at an introductory price for a period of three months. This introductory price is only available for grease purchased through Hartzell. Please refer to the table below for the part number, size and introductory prices.

Description	Hartzell Item Number	Introductory Price
35 Pound Pail	A-6741-12-7-1	\$417.00
1 Kilo Can	A-6741-12-7-2	\$30.00
400 Gram Cartridge	A-6741-12-7-3	\$12.00

We believe switching to NYCO GN 3058 to be the best course of action to improve the service experience of our mutual customers and appreciate your understanding and support.

If you have any questions or concerns, please feel free to contact Hartzell Propeller Inc.

Technical Support at:

Phone: +1(800) 942-7767 (option 3)

Email: techsupport@hartzellprop.com

Sincerely,

Dean Ward
Director – Product Support
Hartzell Propeller Inc.

Enclosure: NYCO Worldwide Distributors and Subsidiaries Network



NYCO WORLDWIDE DISTRIBUTORS AND SUBSIDIARIES NETWORK*

01/10/2019

AMERICA		EUROPE		ASIA		AFRICA		OCEANIA	
USA	NYCAM (NYCO AMERICA)	FRANCE	GACHES CHIMIE SPECIALITES	RUSSIA	STAND	AUSTRALIA	INTERCHEM		
USA	KARMAK	LITHUANIA	FL TECHNICS	SINGAPORE	APAC	WORLDWIDE	AVIALL		
CANADA	CHEFTAIN	SPAIN	ISM, SL	TURKEY	ADCO	WORLDWIDE	BOEING DISTRIBUTION SERVICES		
BRAZIL	AVEX BRASIL COM. IMP. & EXP. LTDA	UK	SIL-MID	JAPAN	JALUX	WORLDWIDE	BOEING DISTRIBUTION SERVICES		
COLOMBIA	MERCAERO								
WORLDWIDE	OEMS ATLANTA NYCO AOG DESK	WORLDWIDE	OEMS FARID NYCO AOG DESK	WORLDWIDE	OEMS DUBAI NYCO AOG DESK				
WORLDWIDE	AVIALL	WORLDWIDE	AVIALL	WORLDWIDE	AVIALL				
WORLDWIDE	BOEING DISTRIBUTION SERVICES INC.	WORLDWIDE	BOEING DISTRIBUTION SERVICES	WORLDWIDE	BOEING DISTRIBUTION SERVICES				
CANADA	CHEFTAIN								

* NOT EXHAUSTIVE LIST: DO NOT TAKE INTO ACCOUNT INDIRECT WAY OF DISTRIBUTION AND MRO'S

A company with a Board of Directors and Supervisory Committee, with a capital of 6,087,346€
Listed on the Paris Trade and Companies Register under N° 582.103.610

NYCO, 66 avenue des Champs-Élysées BP 414 - 75366 Paris cedex 08 - France - Tel. : +33 1 45 61 50 00 - Fax : +33 1 45 61 50 13 - info@nyco-group.com