



THIS BULLETIN DOES NOT CHANGE AIRCRAFT TYPE DESIGN

SUBJECT: New Replacement Grease for Hartzell Propellers and Inadvertent Use of Incorrect Grease.

MODELS/ SN
AFFECTED All Mooneys equipped with Hartzell Propellers

TIME OF
COMPLIANCE: **Thirty flight cycles or three months, whichever occurs first**

INSTRUCTIONS: Please read the entire Service Bulletin and attached letter from Hartzell Propeller Inc.

If a propeller manufactured in 2020 has been installed on an M20, or the existing propeller was overhauled in 2020, the maintenance records and logbooks must be examined. If these propellers have been serviced with grease, the type of grease used must be determined and compared to the label on the hub (see below).

In the event that an inappropriate grease has been introduced into a Hartzell Propeller, the propeller must be removed from the aircraft, disassembled, cleaned, and serviced with NYCO GN 3058 grease at an approved propeller repair station. This action must occur within the specified time of compliance. **Aeroshell 6 and NYCO GN 3058 grease should not be mixed!**

INTRODUCTION: Hartzell introduced NYGO Grease GN3058 lithium complex synthetic grease in their propellers to combat oil separation and leakage from their props. 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. NYCO GN3058 is now the preferred grease of Hartzell for new and overhauled propellers. As of early 2020, NYCO GN3058 is used in new propeller production and was included in revised Instructions for Continued Airworthiness.

With this change of grease, it is possible to inadvertently mix previously used grease with the new grease. In the event of an inappropriate mixing, the corrective action of the instructions section of this Service Bulletin must be carried out within the indicated time of compliance. New and overhauled propellers contain a label on the hub indicating the grease used to lubricate the propeller during manufacture or overhaul. **It is imperative that technicians refer to the label to assure the use of the same grease currently in service in the propeller.**

See the following figures for examples of the prop labels.

WARRANTY: N/A

REFERENCE 1. Hartzell Propeller Inc., Letter, *Introducing NYCO Grease GN 3058 as Hartzell Propeller's Preferred Lubricant*, dated 1 November, 2019 (attached)

DATA: N/A



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Figure SB M20-343-1 - Aeroshell 6 Label on Hub (bottom label)



Figure SB M20-343-2 - NYCO GN3058 Label on Hub (bottom label)



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<p>MOONEY INTERNATIONAL CORPORATION KERRVILLE, TEXAS 78028 – FAX 830-257-4635</p>	
<p>SERVICE (BULLETIN) (INSTRUCTION) NO. _____ HAS BEEN COMPLIED WITH ON AIRCRAFT MODEL _____ SERIAL NUMBER _____</p>	
<p>Tach. Time: _____</p>	<p>N-Number _____ (Reg. No.)</p>
<p>Owner: _____ _____ _____</p>	<p>Date of Compliance: _____ Complied By: _____ _____</p>
<p>Inspection Report: _____ _____ _____ _____</p>	
<p>Form 07-0001</p>	
<p>_____ _____ _____</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;">PLACE STAMP HERE</div>	
<p>MOONEY INTERNATIONAL CORPORATION ATT'N: TECHNICAL SUPPORT 165 Al Mooney Road, North Kerrville, Texas 78028</p>	

SEND TO: Mooney International Corporation
165 Al Mooney Road North
Kerrville, TX 78028
FAX: (830) 257-4635 or EMAIL support@mooney.com



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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	KARMARK	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	JALLUX	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

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