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 Aircraft Wheel & Brake
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PRODUCT REFERENCE MEMO

Wheel Assemblies - Alternate Bearing Grease NYCO GN 3058 and Aeroshell Grease 58

1. PLANNING INFORMATION

A. APPLICABILITY

Any aircraft equipped with Parker Hannifin (Cleveland Wheels and Brakes) wheel assemblies. Note these bearing greases are not a direct replacement for amphibious applications.

B. REASON

Exxon Mobil Aviation Grease SHC 100 is the bearing grease used in most Parker Hannifin (Cleveland Wheels and Brakes) new OEM wheel assemblies, but NYCO GN 3058 and Aeroshell Grease 58 are equally acceptable alternate bearing greases for use on Parker Hannifin (Cleveland Wheels and Brakes) wheel assemblies and are preferred over MIL-PRF-81322 bearing greases. Note these bearing greases are not a direct replacement for amphibious applications.

C. DESCRIPTION

NYCO GN 3058 and Aeroshell Grease 58 are high-performance greases specified to SAE AMS3058. They are lithium-based with exceptional corrosion resistance and comparable properties to Exxon Mobil Aviation Grease SHC 100.

CAUTION: Aviation bearing greases should not be intermixed with each other. Precautions should be taken to ensure that this grease is not intermixed with other wheel bearing greases and is being used in accordance with the manufacturer's guidelines. For more information or recommendations on grease usage for Parker Hannifin (Cleveland Wheels and Brakes) wheel assemblies, please contact Parker Technical Support. Maintenance personnel are responsible for ensuring the alternative grease is appropriate for use on the specific aircraft application.

D. COMPLIANCE

Optional.

E. APPROVAL

Not applicable.

F. MANPOWER

Not Applicable.

G. TOOLING

No additional special tooling required.

H. WEIGHT AND BALANCE

Not Affected.

Initial Rel. 12-12-2020
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Wheel Assemblies - Alternate Bearing Grease NYCO GN 3058 and Aeroshell Grease 58

I. REFERENCES

AWBCMM0001 Maintenance Manual, External Design Wheels & Brakes
 AWBTSG0001 Technician's Service Guide

J. OTHER PUBLICATIONS AFFECTED

AWBCMM0001 Maintenance Manual, External Design Wheels & Brakes
 AWBTSG0001 Technician's Service Guide

2. ACCOMPLISHMENT INSTRUCTIONS

A. For Wheel Assemblies

- (1) At the next tire change or overhaul, thoroughly clean molded seals.
- (2) Thoroughly clean and completely remove grease from the bearings, bearing bore and hub per Parker Hannifin publication, AWBCMM0001 – Maintenance Manual, External Design Wheels & Brakes (Reference: *Brake and Wheel Refinishing*, Section A. Degreasing) and re-pack bearings (Reference: *Wheel Reassembly*, Section 5. Bearing Installation).
- (3) Make appropriate logbook entry, if required, and return the aircraft to service.

3. MATERIAL INFORMATION

A. MATERIAL-REQUIREMENTS

Consumable products

- Aeroshell Grease 58, Shell Aviation, London, UK
- NYCO Grease GN 3058, NYCO, Paris, France

B. LIST OF COMPONENTS

Not Applicable.

C. PARTS DISPOSITION

Not Applicable.

4. Support

Contact technical support if additional assistance is needed in choosing the best grease for your application:

Parker Hannifin Corporation
 Aircraft Wheel & Brake Division
 Technical Service Hotline: 1-800-BRAKING
 Customer Support Fax: 440-937-5409
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