

# Cleveland

Wheels & Brakes

Parker Hannifin Corporation  
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# PRODUCT REFERENCE MEMO

## WHEEL ASSEMBLIES – PREFERRED BEARING GREASE (MOBIL AVIATION GREASE SHC 100)

- EFFECTIVITY:** All Parker Hannifin (Cleveland Wheels & Brakes) wheel assemblies.
- APPLICABILITY:** Any aircraft equipped with Parker Hannifin wheel assemblies.
- REASON:** ExxonMobil “Mobil Aviation Grease SHC 100” is the preferred bearing grease for use in all Parker Hannifin (Cleveland Wheels & Brakes) wheel assemblies.
- DESCRIPTION:** Mobil Aviation Grease SHC 100 is a high performance grease which combines a synthesized hydrocarbon base fluid with a lithium soap thickener. The thickener system provides a high dropping point, excellent resistance to water wash and a tenacious structural stability. The unique properties provide outstanding protection against wear, rust, corrosion and high temperature degradation. The grease is recommended for aviation applications which need a lubricant that can perform normal functions yet go far beyond in terms of high and low temperature and long-life performance. The grease has an operating temperature range of -65°F (-54°C) to + 350°F (+177°C). There is no Military specification for this product.
- 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 technical Data and MSDS sheets on Mobil Aviation Grease SHC 100, visit the manufactures Web Site at: [www.mobil.com](http://www.mobil.com)
- COMPLIANCE:** Recommended
- APPROVAL:** The engineering contents of this Product Reference Memo are FAA DER approved.
- WEIGHT & BALANCE:** Not applicable
- PUBLICATIONS:** The information contained in this Product Reference Memo (PRM78) is to be incorporated into the Product Catalog and Maintenance Manual at the next revision of each.
- INSTRUCTIONS:** At next tire change or overhaul remove and discard the grease felts. Thoroughly clean wheel assembly and completely remove the contained grease from the bearings, bearing bore and hub per Component Maintenance Manual. Refer to AWBCMM0001, latest issue, for grease packing instructions. Pack bearings with Mobile SHC-100. Install new felt grease seals lubricated with Mobile SHC-100.