



# AEROSHELL GREASE 58

Wheel-bearing protection for your current and future fleets

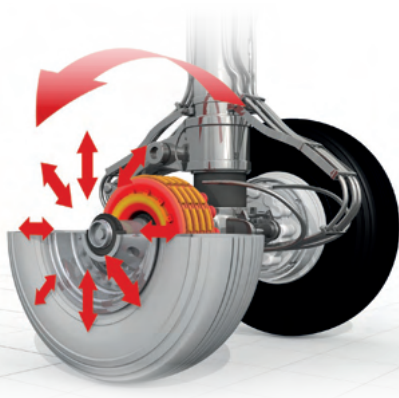
- Enhanced corrosion protection<sup>1</sup>
- Excellent antiwear and load-carrying properties<sup>1</sup>
- Exceeds the SAE AMS3058 specification

## AeroShell



### BENEFITS AT A GLANCE

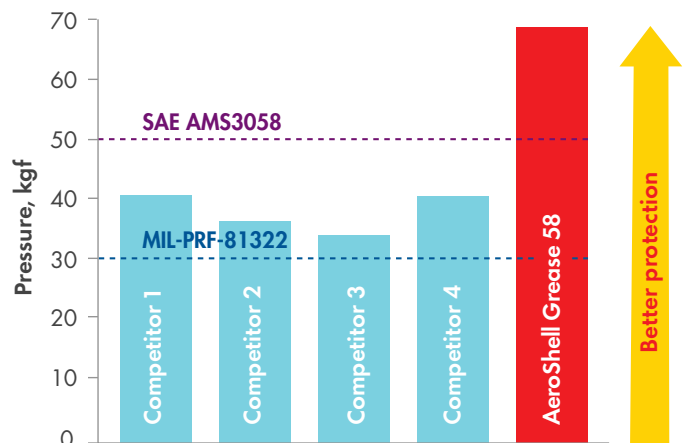
- **Longer component life** and reduced bearing scrap rate through better wear and corrosion protection<sup>1</sup>
- **Longer grease life** through superior dry and wet mechanical stability<sup>1</sup>
- **Easier maintenance** with the same grease technology available across the aircraft<sup>1</sup>



### SURPASSING THE LATEST SPECIFICATION

AeroShell Grease 58 exceeds the latest SAE AMS3058 specification for wheel bearings that requires the use of lithium-complex technology. But beware, not all commercially available, lithium-complex-thickened wheel-bearing greases meet these minimum requirements.

### PERFORMANCE UNDER EXTREME PRESSURE



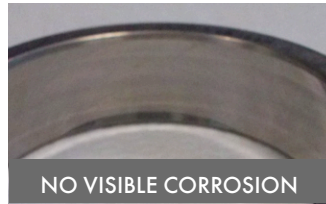
**A step change in extreme-pressure protection.** AeroShell Grease 58 has **better load wear protection** compared with MIL-PRF-81322 greases in ASTM D2596 tests.

## SUPERIOR CORROSION CONTROL

### 3% salt solution

(EMCOR test<sup>2</sup> required to meet the SAE AMS3058 specification)

#### AeroShell Grease 58



#### Competitor A



#### Competitor B



**Meeting the specifications where others fail:** AeroShell Grease 58 exceeds SAE AMS3058 corrosion requirements. Not all the popular, lithium-complex wheel-bearing greases meet these specifications or protect against the effects of the latest runway de-icing fluids. AeroShell Grease 58 is also better than or equals competitors' products in EMCOR tests with corrosive runway de-icing fluids, thereby offering the best overall corrosion protection.

### WHY USE A LITHIUM-COMPLEX GREASE?

- **It stays stay where you need it** through superior
  - mechanical stability
  - water and washout resistance.
- **It performs for longer** through enhanced
  - shear and oxidation stability
  - high- and low-temperature performance.

Lithium-complex thickener is also compatible with a wider range of high-performance additives, which means that the grease can offer superior oxidation and corrosion control, wear protection and extreme pressure load carrying performance. Switching to lithium-complex greases across all applications helps to improve safety by reducing incompatibility risks.

### APPROVALS

**AeroShell Grease 58 meets the SAE AMS3058 specification and is approved for all Parker Hannifin non-amphibious wheel applications and is first fill for Pilatus.**

It also has the following commercial aircraft approvals: Airbus (selected greasing points on all civil A320, A330, A340, A350 and A380 family undercarriage systems<sup>3</sup>, and all wheels on A318, A319 and A320 aircraft, including neo, and A350-900 and -1000 models); Collins wheels on most aircraft including Boeing, Airbus and DHC aircraft; and ATR 42 (Collins and Safran wheels).



### CONTACT US

For more information, contact your Shell representative or visit [www.aeroshell.com](http://www.aeroshell.com).

<sup>1</sup>Compared with MIL-PRF-81322 specification greases

<sup>2</sup>Industry standard EMCOR dynamic rust-prevention tests expose grease-lubricated moving bearings to water or a sodium chloride solution for one week at room temperature with the bearings being partially immersed in the water or sodium chloride solution. The bearing rings are then examined for corrosion. The results are expressed from 0 to 5, with 0 showing no corrosion and 5 showing up to 10% of the inside surface of the bearing ring being corroded. Tests conducted by Shell scientists.

<sup>3</sup>Please refer to your equipment manufacturer for the latest approval status.