



Shell Aviation



AEROSHELL GREASE 58

Our innovative response to the need to enhance wheel-bearing protection

TESTED BY AUSTRIAN AIRLINES



“Austrian Airlines was impressed by AeroShell Grease 58 in general. It is better dispersed or distributed around rollers and bearing cages”¹

ROMAN VALENTIN, COMPONENT ENGINEERING, AUSTRIAN AIRLINES



BENEFITS YOU CAN SEE

A320, Safran main landing gear wheel (AUA-005) after 548 cycles

AEROSHELL GREASE 58



- remains in contact with the bearing rollers and the track
- provides better sealing against external contamination.



RED LITHIUM-COMPLEX GREASE²



- has signs of oil separation
- shows greater ingress of contaminants.

A319, UTAS nose landing gear wheel (AUA-040) after 394 cycles

AEROSHELL GREASE 58



- remains in contact with the bearing rollers and the track
- provides better sealing against external contamination.



RED LITHIUM-COMPLEX GREASE²



- has signs of oil separation
- shows greater ingress of contaminants.

¹Compared with the red lithium-complex grease that Austrian Airlines normally uses

²The grease that Austrian Airlines normally uses

AeroShell Grease 58 was evaluated in

- eighteen A319 and A320 aircraft with UTAS nose landing gear and Safran (Messier-Bugatti-Dowty) main landing gear
- 14,522 cycles in 14 months, including the coldest operating period
- paired wheels, with AeroShell Grease 58 on one side and the red lithium-complex grease that Austrian Airlines normally uses on the other, to allow direct comparison.



AEROSHELL GREASE 58 HIGHEST LIFE BEARING

At 1,031 cycles on A319: UTAS nose landing gear wheel



At 548 cycles on A320: Safran main landing gear wheel



What else did Austrian Airlines say?

// AeroShell Grease 58 shows superior antiwear performances compared with the red lithium-complex grease that Austrian Airlines normally uses. All the bearings look in better condition and show less wear".

"AeroShell Grease 58 looks stickier and offers better sealing against external contamination compared with the red lithium-complex grease that Austrian Airlines normally uses. Our mechanics reported a higher resistance to rotate the wheel on the axle during installation on the aircraft".

ROMAN VALENTIN, COMPONENT ENGINEERING, AUSTRIAN AIRLINES



CONTACT US

For further information, please contact your AeroShell representative:

www.aeroshell.com