



# AeroShell Grease 6

AeroShell Grease 6 is a general purpose grease composed of a mineral oil thickened with Microgel®, possessing good all-round properties within a limited range. It is inhibited against oxidation and corrosion and has good water resistance and low noise capability.

The useful operating temperature range is  $-40^{\circ}\text{C}$  to  $+121^{\circ}\text{C}$ .

## DESIGNED TO MEET CHALLENGES

### Main Applications

- AeroShell Grease 6 is a general purpose airframe grease for use in antifriction bearings, gearboxes and plain bearings within the temperature range of  $-40^{\circ}\text{C}$  to  $+121^{\circ}\text{C}$ .

### Specifications, Approvals & Recommendations

- U.S. : Approved MIL-PRF-24139A, Meets MIL-G-7711A (Obsolete)

- British : Approved DEF STAN 91-12
- French : Equivalent DCSEA 382/A
- NATO Code : G-382
- Joint Service Designation : XG-271

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk, or the OEM Approvals website.

### Typical Physical Characteristics

Properties	MIL-PRF-24139A	Typical
Oil type	Mineral	Mineral
Thickener type	-	Microgel
Base Oil viscosity @40°C	mm <sup>2</sup> /s	35
Base Oil viscosity @100°C	mm <sup>2</sup> /s	5.5
Useful operating temperature range	°C	-40 to +121
Drop point	°C	149 min
Worked penetration @25°C	265 to 320	300
Unworked penetration @25°C	-	287
Bomb Oxidation pressure drop 100 hrs @99°C	lb/in <sup>2</sup>	10 max
Bomb Oxidation pressure drop 500 hrs @99°C	lb/in <sup>2</sup>	25 max
Oil separation 30 hrs @100°C	% m	-
Water resistance test loss @38°C	% m	5 max
Evaporation loss 22 hrs @121°C	% m	-
Mean Hertz Load	kg	30
Copper corrosion 24 hrs @100°C	Must pass	Passes
Bearing protection 2 days @51°C	Must pass	Passes
Anti-friction bearing performance @121°C	hrs	2000+
Colour	-	Brown

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

## Health, Safety & Environment

### ■ Health and Safety

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.epc.shell.com/>

### ■ Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

## Additional Information

### ■ Advice

Advice on applications not covered here may be obtained from your Shell representative.