



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°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°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.

Typical Physical Characteristics

Properties		MIL-PRF-24139A	Typical
Oil type		Mineral	Mineral
Thickener type		-	Microgel
Base Oil viscosity	@ 40°C mm ² /s	-	35
Base Oil viscosity	@ 100°C mm ² /s	-	5.5
Useful operating temperature range	$^{\circ}\text{C}$	-	-40 to +121
Drop point	$^{\circ}\text{C}$	149 min	260+
Worked penetration	@ 25°C	265 to 320	300
Unworked penetration	@ 25°C	-	287
Bomb Oxidation pressure drop 100 hrs	@ 99°C lb/in ²	10 max	9
Bomb Oxidation pressure drop 500 hrs	@ 99°C lb/in ²	25 max	15
Oil separation 30 hrs	@ 100°C % m	-	0.7
Water resistance test loss	@ 38°C % m	5 max	2
Evaporation loss 22 hrs	@ 121°C % m	-	1.3
Mean Hertz Load	kg	30	35
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.