



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 $+121^{\circ}\text{C}$.
- British : Approved DEF STAN 91-12
- French : Equivalent DCSEA 382/A
- NATO Code : G-382
- Joint Service Designation : XG-271

Specifications, Approvals & Recommendations

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

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 °C	-	-40 to +121
Drop point °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.

