



# AeroShell Grease 14

AeroShell Grease 14 is a helicopter multi-purpose grease composed of a mineral oil thickened with a calcium soap, possessing outstanding anti-fret and anti-moisture corrosion properties. It is oxidation and corrosion inhibited. The useful operating temperature range is  $-54^{\circ}\text{C}$  to  $+93^{\circ}\text{C}$ .

## DESIGNED TO MEET CHALLENGES

### Main Applications

- AeroShell Grease 14 is the leading helicopter multi-purpose grease and is approved by all helicopter manufacturers. Owing to its anti-fret properties, AeroShell Grease 14 is particularly suitable for the lubrication of helicopter main and tail rotor bearings, splines, etc.

### Specifications, Approvals & Recommendations

- U.S. : Approved MIL -G-25537C
- British : Approved DEF STAN 91-51
- NATO Code : G-366
- Joint Service Designation : XG-284

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

### Typical Physical Characteristics

Properties		MIL-G-25537C	Typical
Oil type		-	Mineral
Thickener type		-	Calcium soap
Base Oil viscosity	@40°C mm <sup>2</sup> /s	-	12.5
Base Oil viscosity	@100°C mm <sup>2</sup> /s	-	3.1
Useful operating temperature range	°C	-	-54 to +93
Drop point	°C	140 min	148
Worked penetration	@25°C	265 to 305	273
Unworked penetration	@25°C	200 min	269
Bomb oxidation pressure drop 100 hrs	@99°C MPa	0.0345 max	0.0207
Bomb oxidation pressure drop 400 hrs	@99°C MPa	0.1378 max	0.0689
Oil separation 30 hrs	@100°C % m	5.0 max	1.5
Water resistance test loss	% m	-	7.2
Evaporation loss 22 hrs	@100°C % m	7.0 max	5.6
Antifriction bearing performance	@93°C hrs	-	1700+
Copper corrosion 24 hrs	@100°C	Must pass	Passes
Bearing protection 2 days	@52°C	Must pass	Passes
Colour		-	Tan

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.