



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°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	Method	MIL-G-25537C	Typical
Oil type		-	Mineral
Thickener type		-	Calcium soap
		-	Tan
Base Oil viscosity @40°C mm ² /s		-	12.5
Base Oil viscosity @100°C mm ² /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 @99°C MPa 100 hrs		0.0345 max	0.0207
Bomb oxidation pressure drop @99°C MPa 400 hrs		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
Particle Count part/ml	FED-STD-791 M.3005	Must pass	Passes

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.