

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°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 ² /s	-	12.5
Base Oil viscosity	@100°C	mm²/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.