

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 $+93^{\circ}\text{C}$.

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

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

PROPERTIES	MIL-G-25537C	TYPICAL
Oil type	–	Mineral
Thickener type	–	Calcium Soap
Base oil viscosity mm ² s @ 40°C	–	12.5
@ 100°C	–	3.1
Useful operating temperature range °C	–	-54 to $+93$

PROPERTIES	MIL-G-25537C	TYPICAL
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		
100 hrs MPa	0.0345 max	0.0207
400 hrs MPa	0.1378 max	0.0689
Oil separation @ 100°C, 30 hrs % 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