

## AEROSHELL GREASE 17

AeroShell Grease 17 is an advanced multi-purpose grease containing 5% molybdenum disulphide and composed of a synthetic ester oil thickened with Microgel® (AeroShell Grease 7 with 5% molybdenum disulphide). AeroShell Grease 17 has outstanding properties over a wide temperature range. AeroShell Grease 17 is corrosion inhibited and heavily fortified against oxidation and has excellent resistance to water.

The useful operating temperature range is  $-73^{\circ}\text{C}$  to  $+149^{\circ}\text{C}$ .

### APPLICATIONS

AeroShell Grease 17 is particularly suitable for lubricating heavily loaded sliding steel surfaces, e.g. bogie pivot pins on aircraft landing gear assemblies. It is also recommended as an anti-friction bearing lubricant.

AeroShell Grease 17 contains a synthetic ester oil and should not be used in contact with incompatible seal materials. Refer to the General Notes at the front of this section.

### SPECIFICATIONS

<b>U.S.</b>	Approved MIL-G-21164D
<b>British</b>	–
<b>French</b>	Equivalent DCSEA 353/A
<b>Russian</b>	–
<b>NATO Code</b>	G-353
<b>Joint Service Designation</b>	–

PROPERTIES	MIL-G-21164D	TYPICAL
Oil type	–	Synthetic Diester
Thickener type	–	Microgel
Base oil viscosity @ $-40^{\circ}\text{C}$ @ $40^{\circ}\text{C}$ @ $100^{\circ}\text{C}$	mm <sup>2</sup> /s – – –	1150 10.3 3.1
Useful operating temperature range	$^{\circ}\text{C}$ –	$-73$ to $+149$
Drop point	$^{\circ}\text{C}$ 165 min	260+
Worked penetration @ $25^{\circ}\text{C}$	260 to 310	295
Unworked penetration @ $25^{\circ}\text{C}$	200 min	287
Bomb oxidation pressure drop 100 hrs 500 hrs	kPa (psi) kPa (psi)	68.9 (10) max 103.4 (15) max
		55.1 (8) 103.4 (15)
Oil separation @ $100^{\circ}\text{C}$ in 30 hrs	% m 5 max	2.5
Water resistance test loss @ $40^{\circ}\text{C}$	% m 20 max	1.0
Evaporation loss in 22 hrs @ $100^{\circ}\text{C}$	% m 2.0 max	0.6
Anti-friction bearing performance @ $121^{\circ}\text{C}$	hrs 1000 min	2850
Extreme pressure properties – load wear index	50 min	60
Copper corrosion 24 hr @ $100^{\circ}\text{C}$	Must pass	Passes
Bearing protection 2 days @ $52^{\circ}\text{C}$	Must pass	Passes
Colour	–	Dark Grey