AEROSHELL GREASE 22

AeroShell Grease 22 is a versatile advanced general purpose grease composed of a synthetic hydrocarbon oil thickened with Microgel®, with outstanding performance characteristics. Appropriate additives are included to achieve the necessary oxidation and corrosion resistance, anti-wear properties and load carrying properties.

The useful operating temperature range is −65°C to +204°C.

APPLICATIONS

AeroShell Grease 22 is especially recommended for use wherever severe operating conditions are encountered as in high bearing loads, high speeds, wide operating temperature range, and particularly where long grease retention and high resistance to water washout are required.

The wide range of applications include aircraft wheel bearings, engine accessories, control systems, actuators, screw-jacks, servo mechanisms and electric motors, helicopter rotor bearings, instruments, airframe lubrication, hinge pins, static joints, landing gears.

AeroShell Grease 22 contains a synthetic hydrocarbon oil and should not be used in contact with incompatible seal materials. Refer to the General Notes at the front of this section for further information.

SPECIFICATIONS

U.S.	Approved MIL-PRF-81322F NLGI Grade 2 Approved DOD-G-24508A
British	Approved DEF STAN 91-52
French	Approved DCSEA 395/A
Russian	Analogue of CIATIM 201 and 203, VNII NP 207, ERA (VNII NP 286M) and ST (NK-50)
NATO Code	G-395
Joint Service Designation	XG-293

PROPERTIES	**MIL-PRF-81322F NLGI Grade 2**	**TYPICAL**
Oil type	–	Synthetic Hydrocarbon
Thickener type	–	Microgel
Base oil viscosity mm^2/s @ −40°C @ 40°C @ 100°C	 – – –	 7500 30.5 5.7
Useful operating temperature range °C	–	−65 to +204
Drop point °C	232 min	260+
Worked penetration @ 25°C	269 to 295	275
Unworked penetration @ 25°C	–	271
Bomb oxidation pressure drop @ 99°C 100 hrs MPa (psi) 500 hrs MPa (psi)	 0.083 (12) max 0.172 (25) max	 0.027 (4) 0.069 (10)
Oil separation @ 177°C in 30 hrs % m	2.0 to 8.0	4.7
Water resistance test loss @ 41°C % m	20 max	0.5
Evaporation loss in 22 hrs @ 177°C % m	10 max	4.3
Anti-friction bearing performance @ 177°C hrs	400 min	400+
Load carrying capacity/ Mean Hertz Load kg	30 min	45
Copper corrosion 24 hr @ 100°C Bearing protection 2 days @ 52°C	Must pass Must pass	Passes Passes
Colour	–	Amber