

JETTA 3545

High-Temperature Mineral Grease for Aircraft

DESCRIPTION

JETTA 3545 is a high-temperature grease composed of a mineral oil and a clay thickener, possessing good load-carrying ability. It is inhibited against oxidation and corrosion and has excellent resistance to water. The useful operating temperature range is -18°C to $+149^{\circ}\text{C}$.

APPLICATIONS

- Particularly effective as a wheel bearing grease, especially when landing speeds are high
- Lubrication of aircraft and engine accessories operating at high speeds and relatively high temperatures, e.g. magnetos, generators and starters
- Rolling bearings required to start at temperatures as low as -18°C — an adequate period should be allowed for the grease to channel

PACK SIZES

Multiple pack sizes available on request.

SPECIFICATIONS

- MIL-G-3545C
- DTD.878A
- DCSEA 359/A (equivalent)
- NATO Code G-359
- Joint Service Designation XG-277

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTY	METHOD	MIL-G-3545C	TYPICAL
Oil type	—	—	Mineral
Thickener type	—	—	Clay
Colour	Appearance	—	Amber
Base oil viscosity @ 40°C , mm^2/s	ASTM D445	—	500 to 525
Base oil viscosity @ 100°C , mm^2/s	ASTM D445	—	32
Useful operating temperature range, $^{\circ}\text{C}$	—	—	-18 to $+149$
Drop point, $^{\circ}\text{C}$	ASTM D2265	177 min	Min 288
Worked penetration @ 25°C	ASTM D217	250 to 300	281
Oxidation stability, 100 h @ 99°C , psi	ASTM D942	10 max	5
Oxidation stability, 500 h @ 99°C , psi	ASTM D942	25 max	5
Oil separation, 30 hrs @ 100°C , %m	ASTM D6184	5 max	2
Water washout @ 41°C , %m	ASTM D1264	20 max	4.5
Low temperature torque – start @ -17.8°C , Nm	ASTM D1478	1.471 max (15000 g·cm)	0.3432
Low temperature torque – run @ -17.8°C , Nm	ASTM D1478	0.4903 max (5000 g·cm)	0.0579
Copper corrosion, 24 h @ 100°C	FED-STD-791-5309	Must pass	Passes
Particle count, part/ml	FED-STD-791 M.3005	Must pass	Passes
Rust test	ASTM D1743	Must pass	Passes