

DOC NO	REV	ISSUED	CLASS
TDS-3545	02	09/2026	Grease · Aircraft · Clay

TECHNICAL DATA SHEET

JETTA 3545

High-Temperature Mineral Grease for Aircraft

DROP POINT	WORKED PENETRATION	BASE OIL VISCOSITY 40 °C	OPERATING RANGE
Min 288 °C	281	500 to 525 mm²/s	-18 to +149 °C

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 °C.

PACK SIZES

Multiple pack sizes available on request.

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

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTY	METHOD	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, °C	–	–18 to +149
Drop point, °C	ASTM D2265	Min 288
Worked penetration @ 25 °C	ASTM D217	281
Oxidation stability, 100 h @ 99 °C, psi	ASTM D942	5
Oxidation stability, 500 h @ 99 °C, psi	ASTM D942	5
Oil separation, 30 hrs @ 100 °C, %m	ASTM D6184	2
Water washout @ 41 °C, %m	ASTM D1264	4.5
Low temperature torque – start @ –17.8 °C, Nm	ASTM D1478	0.3432
Low temperature torque – run @ –17.8 °C, Nm	ASTM D1478	0.0579
Copper corrosion, 24 h @ 100 °C	FED-STD-791-5309	Passes
Particle count, part/ml	FED-STD-791 M.3005	Passes
Rust test	ASTM D1743	Passes

Typical values shown do not constitute a specification. The information is based on current knowledge and is intended to describe the product for possible applications; it does not release the user from performing preliminary tests.