

DOC NO	REV	ISSUED	CLASS
TDS-049U	02	09/2026	Grease • Non-melting

TECHNICAL DATA SHEET

JETTA 49 ULTRA

DROPPING POINT	WORKED PENETRABILITY, 60 STROKES	LOAD CARRYING CAPACITY	TORQUE AT -54 °C
265 °C	276	36 daN	0.24 / 0.04 Nm

DESCRIPTION

JETTA 49 ULTRA is A premium quality adhesive, non-melting grease with a low viscosity synthetic base oil for use in wide temperature operation. Additives for oxidation and corrosion stability as well as load carrying and rust protection are provided to improve severe duty performance over extreme temperature ranges.

COST SAVING BENEFITS

Thermal and Mechanical Stability

- Superior mechanical stability particularly in the presence of heat
- formulated to withstand operations at high speeds and a wide temperature range of -54 to 177 °C

Resistance to Water and Alkalies

- Excellent resistance to water washout and Spray-off and alkaline medium.

Pumpability

- Good pumpability characteristics

APPLICATION AREAS

JETTA 49 ULTRA does not melt like soap thickened greases and hence its consistency changes only marginally with increasing temperature. In bearings operating at high temperature it resists softening and remains in place providing good sealing and continuous lubrication even in the presence of vibration, excellent choice for use in aircraft wheel bearings, instruments, gear boxes, anti-friction bearings, rotor bearings, actuators and general airframe applications

Meets all requirements of MIL-PRF-81322G, NATO Code G-395, U.S. Military Symbol WTR, UK Joint Service Designation XG-293. May be used in place of superseded or cancelled specifications MIL-G-16908, MIL-G-3545 and MIL-G-25760.

TYPICAL DATA

CHARACTERISTIC	UNIT	TYPICAL RESULT	MIL-PRF-81322 G LIMIT	TEST METHOD
- Appearance	-	homogeneous, smooth red grease	homogeneous, smooth grease	visual
- Viscosity of Base Oil	mm ² /s			ASTM D 445
at 40°C		40	-	
at 100C		7.3	-	
- Dropping point	°C	265	min. 232	ASTM D 566
- Worked penetrability	1/10 mm			
After 60 strokes		276	265 - 320	ASTM D 217
After 100 000 strokes		330	max. 350	FTM-S-791-313
- Oil separation, 30 h at 177°C	%W	5.1	2.0 - 8.0	ASTM D 6184
- Evaporation loss, 22 h at 177°C	%W	4.9	max. 10.0	ASTM D 2595
- Copper corrosion, 24h at 100°C	-	1a	max. 1b	ASTM D 4048
- Steel on steel wear, 1h at 392 N	mm	0.7	max. 0.80	ASTM D 2266
- Load carrying capacity (LWI)	daN	36	min. 30.0	ASTM D 2596
- Bearing performance at 177°C	h	pass	> 400	ASTM D 3336
- Oxidation stability at 100°C, after 100h / 500h	kPa	21 / 63	max. 83 / max 172	ASTM D 942
- Water washout at 38°C	%W	2.0	max 20	ASTM D 1264
- Torque at -54°C (starting / 1h)	Nm	0.24 / 0.04	max 1.00 / max 0.10	ASTM D 1478
- Bearing corrosion test	-	pass	no corrosion	ASTM D 1743
- Elastomer NBR-L compatibility, 168h at 70°C	%V	3	max. 10	ASTM D 4289