

Tribolube®-23

Synthetic Clay Grease

CHARACTERISTICS

Tribolube®-23 is a synthetic grease intended for use at very low temperatures. It is suitable for rolling and sliding surfaces on equipment with low motivating power (torque). **Tribolube®-23** has low volatility which is advantageous in preventing oil fogging in optical instruments.

APPLICATIONS

Tribolube®-23 meets the quality conformance requirements of MIL-PRF-23827C Type II (¶4.4.2 in the specification).

Can be used in most bearing types, gears, actuator screws, and other sliding and rolling surfaces. Ideal in scientific instruments, cameras, electronic gears, and aircraft control systems.

PERFORMANCE DESCRIPTION	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-73°C to 121°C (-100°F to 250°F)
Appearance/Color			Smooth/Tan
Base Oil			Synthetic Hydrocarbon
Thickener			Organoclay
NLGI Grade			2
Unworked penetration	ASTM D-217	25°C (77°F)	286
Worked penetration (x60)	ASTM D-217	25°C (77°F)	287
Worked Stability (x100,000)	ASTM D-217	25°C (77°F)	323
Evaporation loss	ASTM D-2595	22 hrs @ 100°C (212°F)	0.8%
Oil Separation	ASTM D-6184	24 hrs @ 100°C (212°F)	2.5%
Dropping point	ASTM D-2265	°C	293
Low Temperature Torque	ASTM D-1478	-73°C (-100°F) <u>Starting:</u> <u>Running:</u>	2972.5 g*cm 537.2 g*cm
Copper Corrosion	ASTM D-4048	24 hrs @ 100°C (212°F)	1b
Rust Prevention	ASTM D-1743	48 hrs @ 52°C (125°F)	pass
Water Washout	ASTM D-1264	79°C (174°F)	2.8%
Oxidation Stability	ASTM D-0942	100 hrs, 99°C	3.11 psi drop
		500 hrs, 99°C	9.59 psi drop
Extreme Pressure Properties (4 Ball Method)	ASTM D-2596	Load Wear Index	33
		Weld Load	160 Kgf

Disclaimer: Values given represent typical properties only and are not intended for use in preparing specifications. Please consult with an ALL applications engineer before writing specifications.

FOR A WORLD IN MOTION

Aerospace Lubricants, Inc.

1600 Georgesville Rd ♦ Columbus, Ohio 43228 ♦ 614.878.3600 ♦ 800.441.9160 ♦ Fax 614.878.1600

aerospacelubricants.com ♦ info@aerospacelubricants.com