

Corrosion Preventive Properties of Lubricating Greases

Corrosion Preventive Properties of Lubricating Greases

Corrosion Preventive Properties of Lubricating Greases in Presence of Dilute Synthetic Sea Water Environments

test method

Determines the corrosion preventive properties of greases when distributed in a tapered roller bearing stored under wet conditions.

corrosion preventive properties apparatus

- Conforms to ASTM D1743 and D4950 specifications
- Distributes a lubricating grease sample in a roller bearing by running the bearing under light thrust load. Corrosion preventive capability is determined on a pass/fail basis by the presence of rust spots (1mm or larger) on the bearing race after a 60 second run-in period followed by prolonged exposure to water at constant temperature. Consists of variable speed motor, 1750rpm run-in stand, bearing holder assemblies, spindle/thrust loading device, mechanical grease packer pliers and test bearings.

specifications

Conforms to the specifications of:
ASTM D1743, D4950, Draft Method, D5969
Drive Motor: 1750rpm
Electrical Requirements
90-240V 47-63Hz

Included Accessories

- Bearing Holder Assemblies (3): Consisting of:
- 1kg weight
 - upper and lower plastic collars for cone
 - plastic collar for cup
 - plastic jar with screw cap
 - metal screw
- Spindle/Thrust Loading Device
Mechanical Grease Packer
Pliers
Spacer, 3mm
Test Bearings (3) (cone and roller assemblies)

Dimensions lwxh,in.(cm)	Shipping Information
10x15x20 (25.4x38.1x50.8)	Shipping Weight: 36 lbs (16.3kg)
Net Weight: 27 lbs (12.2kg)	Dimensions: 5 Cu. ft.

ordering information

catalog no.	description
K17990	Corrosion Preventive Properties Apparatus, 90-240V, 47-63Hz

accessories

K17981	Bearing Holder Assembly
K17981-0-2	Upper Flange
K17981-0-3	Lower Flange
K17982	Mechanical Grease Packer
K17983	Pliers
K17984	Plastic Jar
289-004-002	Test Bearing



K17990 Corrosion Preventive Properties Apparatus

corrosion preventive properties apparatus (alternate method)

- Conforms to ASTM D1743-73 specifications
- Determines corrosion preventive properties of lubricating greases in accordance with original ASTM D1743-73 specifications, now incorporated as Appendix #2 in the current ASTM D1743 method. Offers a suitable alternative to the new method for laboratories needing a quicker screening test method. Consists of drive motor on base with driving cone hub, thrust loading device, mechanical grease packer, test bearings (3), bearing supports (3) and containers with lids (3).

specifications

Conforms to the specifications of: ASTM D1743-73, FTM 791-4012
Electrical Requirements:
115V 60Hz, Single Phase, 5.2A
220-240V 50/60Hz, Single Phase, 2.6A

Dimensions lwxh,in.(cm)	Shipping Information
7x12x9.75 (18x30x25)	Shipping Weight: 36 lbs (16.3kg)
Net Weight: 27 lbs (12.3kg)	Dimensions: 5 Cu. ft.

ordering information

catalog no.	description
K17970	Corrosion Preventive Properties Apparatus (Alternate Method), 115V 60H
K17979	Corrosion Preventive Properties Apparatus (Alternate Method), 220-240V 50/60Hz
	accessories (alternative method)
K17900	Thrust Loading Device and Mechanical Grease Packer
K17910	Test Bearing
K17920	Bearing Supports
K17930	Container with Lid



85 Corporate Drive, Holtsville, New York 11742
1-800-878-9070 (in u.s. only) TEL: +1 631 589 3800 FAX: +1 631 589 3815
Email: sales@koehlerinstrument.com www.koehlerinstrument.com

©2025 Koehler Instrument Company, Inc.

Get it from your authorized distributor: www.labequip.com



ask@labequip.com