

WATER WASHOUT CHARACTERISTICS OF LUBRICATING GREASES

Test Method

A grease sample is packed in a ball bearing and subjected to a steady water stream under controlled test conditions. The percentage of grease washed out in a one hour period is determined by weight.

Water Washout Tester

- Conforms to ASTM D1264, D4950 and related specifications

Rotates a lubricated ASTM ball bearing at 600rpm in a modified bearing/housing assembly while impinging the bearing with a jet of water at the specified flow rate and temperature. The tared bearing and bearing shields are weighed before installation in the bearing housing and again after testing and drying to determine the amount of sample loss. Consists of reservoir, bearing housing, circulation system and drive motor. Reservoir is equipped with cartridge heater, thermoregulator and thermometer port for accurate temperature control at 100°F and 175°F (38°C and 79°C) per ASTM specifications. Circulation system includes constant velocity carbon bearing gear pump, valves and flowmeter directing a controlled water flow to a capillary (1mm) spray nozzle aimed at the bearing housing. Rugged ¼hp drive motor rotates test bearing at 600rpm while driving the circulation pump. A two-pulley system permits independent pump operation to circulate water while heating it to test temperature. Mounted on a finished steel base with locating feet for permanent benchtop placement.

Specifications

Conforms to the specifications of:
ASTM D1264, D4950; IP 215; FTM 791-3252
Drive Motor: ¼hp 1725rpm
Temperature Control: ±1°F (±0.5°C) sensitivity
Electrical Requirements: **CE**
115V 60Hz, Single Phase, 10.1A
220-240V 50Hz, Single Phase, 5.1A
220-240V 60Hz, Single Phase, 5.1A

Included Accessories

Ball Bearing (2)
Drive Train Guard
Acrylic Reservoir Cover
Outer Bearing Shield
Inner Bearing Shield
Test Bearing

Dimensions l x w x h, in.(cm)

18x12x18¾ (46x30x48)
Net Weight: 67 lbs (30.4kg)

Shipping Information

Shipping Weight: 102 lbs (46.3kg)
Dimensions: 6.7 Cu. ft.

Ordering Information

Catalog No.		Order Qty
Water Washout Tester		1
K19200	Water Washout Tester, 115V 60Hz	
K19295	Water Washout Tester, 220-240V 50Hz	
K19290	Water Washout Tester, 220-240V 60Hz	
Accessories		
289-001-006	Test Bearing	3
K192-1-4	Outer Bearing Shield	3
K192-1-6	Inner Bearing Shield	3
250-000-15F	ASTM 15F Thermometer Range: 30 to 180°F	1
250-000-15C	ASTM 15C Thermometer Range: -2 to +80°C	



24 Norman Way Industrial Estate, Over, Cambridge, CB24 5WE
Tel: +44(0)1954 233 100 Fax: +44(0)1954 233 101
Email: sales@camlab.co.uk Web: www.camlab.co.uk