

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.

ordering information

catalog no.	description
K19201	Digital Water Washout Tester, 115-240V 50/60Hz

accessories

289-001-006	Test Bearing
K192-1-4	Outer Bearing Shield
K192-1-6	Inner Bearing Shield
250-000-15F	ASTM 15F Thermometer Range: 30 to 180°F
250-000-15C	ASTM 15C Thermometer Range: -2 to +80°C



K19201 Digital Water Washout Tester

specifications

Conforms to the specifications of:

ASTM D1264, D4950; IP 215; FTM 791-3252
Drive Motor: 1/3hp 1725rpm
Temperature Control: $\pm 1^{\circ}\text{F}$ ($\pm 0.5^{\circ}\text{C}$) sensitivity

Electrical Requirements:

115-240V 50/60Hz, Single Phase

Included Accessories:

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