FALEX Miller Number Slurry Abrasivity Test Machine

The Falex Miller Number Slurry Abrasivity Test Machine can be used to develop data from which either the relative abrasivity of any slurry (Miller Number), or the response of different materials to the abrasivity of different slurries (SAR Number), can be determined, meeting the requirements of ASTM G75, “Test Method for Determination of Slurry Abrasivity (Miller Number) and Slurry Abrasion Response of Materials (SAR Number).”

The Miller Number is an index of the relative abrasivity of slurries. Its primary purpose is to rank the abrasivity of slurries in terms of the wear of a standard reference material. The wear damage on the block is worse as the Falex Miller Number gets higher.

The SAR Number is an index of the relative abrasion response of materials as tested in any particular slurry of interest. The SAR Number is a generalized form of the Miller Number applicable to materials other than the referenced material used for the Miller Number determination. A major purpose is to rank construction materials for use in a system for pumping and fluid handling equipment for a particular slurry. The slurry damage on the specimen of material being tested is worse as the SAR Number gets higher.

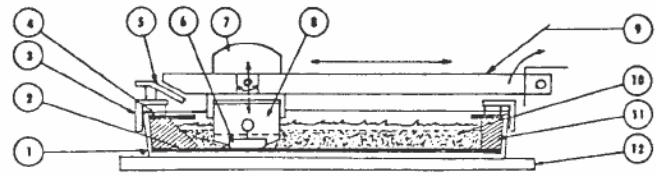
STANDARD TEST METHODS

ASTM G 75, Standard Test Method for Determination of Slurry Abrasivity (Miller Number) and Slurry Abrasion Response of Materials (SAR Number).

SPECIFICATIONS AND FEATURES

F-1579 Falex Miller Number Slurry Abrasivity Test Machine
220 V, 60 Hz

Standard System Includes:
Machine with Motor
Electronic Predetermining Counter
Four-Trough Slurry Container
List of Miller Number Test Results
Operation Manual



1. Molded Plastic Tray
2. Neoprene Lap
3. Tray Clamp
4. Splash Guard
5. Block Lifting Cam
6. Standard Wear Block 27 % CR-Iron
7. Dead Weight
8. Adjustable Plastic Wear Black Holder
9. Pivoted Reciprocating Arm
10. Sand Slurry
11. Molded Plastic Filler "V" Channel Block
12. Tray Plate

FIG. 2 Miller Number Machine Slurry Trough Cross-Section

OPTIONS AND ACCESSORIES:

F-1579-10 High Temperature Option
Heated Four-Trough Slurry Container with Temperature Control System. Maximum operating temperature with water is 90° C.

F-1579-15 Lap, Neoprene Molded (Set of 4)

F-1579-16 Block Holder, Delrin

TEST CONSUMABLES

F-1579-50 Wear Block, 27% Chrome Iron

F-1579-72 AFS 50-70 Sand for wear testing, 50 pounds

PRICE LIST, JANUARY 2007

Part Number	Description	Price
F-1579	Falex Miller Number Slurry Abrasivity Test Machine 220 V, 60 Hz	$ 29,995.00
F-1579-10	High Temperature Option	$ 5,900.00
F-1579-15	Lap, Neoprene Molded (Set of 4)	$ 115.00
F-1579-16	Block Holder, Delrin	$ 195.00

Test Consumables

F-1579-50	Wear Block, 27% Chrome Iron, Box of 12	$ 1,860.00
F-1579-72	AFS 50-70, 50 pounds	$ 55.00

For All of Your Lubricant and Materials Testing

Lubricants

- Pin and Vee Block
- Block-on-Ring
- Timken EP
- Tapping Torque
- Panel Coker
- High Temperature/High Speed Bearing
- Four Ball Wear
- Four Ball EP
- High Temperature Wheel Bearing
- Thermal Oxidation Stability (L60-1)
- Fretting Wear
- Hydrolytic Stability
- Grease Corrosion Test
- Isothermal Oxidation
- Hydraulic Fluid Pump Stand (Vickers and Conestoga)

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- Ball on Three Disk Fuel Lubricity
- Thin Film Evaporator
- Fuel Deposit Simulator

Materials

- Journal Bearing
- Multi-Specimen
- Crossed Cylinders
- Low Velocity Friction Apparatus
- Pin on Disk
- Coefficient of Stoption
- Magnetic Media and Paper Wear
- Life Performance Face Clutch System
- Thin Coating Wear (Electrical Contacts)
- Dual Drive Rolling Contact Fatigue
- High Speed Bearing/Mechanical Clutch

Abrasion and Erosion

- Dry Sand/Rubber Wheel
- Air Jet Erosion
- Miller Number Slurry

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COMPASS INSTRUMENTS

1020 Airpark Drive
Sugar Grove, IL 60554
630.556.4835
630.556.3679 fax
www.compass-instruments.com