

STEP 6

Measure the ohm between one of the magnet feed through terminals and the magnet housing. (The preferred measuring instrument is a Megger).

_____ OHMS

If the reading is one megohm (1,000,000 ohms) or larger, the magnet is ok. If the megger ohm reading is out of tolerance, consult the factory, supplying all of the above readings that were taken.

If it has been determined that the rectifier and magnetic separator are electrically sound and the performance of the separator is still in doubt, contact the factory for further assistance. There are many factors which can affect the ability of a separator to attract metal and a Dings Sales Engineer will be happy to discuss them with you to resolve the problem.

Significance of Electrical Readings:

Low DC Volts: Magnet will be weak

Low ohms (resistance): Possible shorted turns in coils

High ohms: Possible poor connection or open coil circuit

Low DC amps: Possible poor connection or open coil circuit

High DC amps: Possible shorted turns in coils

Megger reading less than 1 megohm: One or more coils are grounded, poor insulation or transformer oil is contaminated with water

Remember: Ohms x Amps = Volts

IT'S OHM'S LAW!