Motor Varnish Mask

A major Transit Company in the Metropolitan New York area rebuilds electrical Traction Motors used to power passenger trains. Part of the process involves varnishing the motor components with an insulating material. The varnish must be kept from coating the commutator, bolt holes, threaded fittings, bearing shafts and electrical connections.

Super Lube® Dielectric Grease is applied to these components to act as a mask. The assembly is then dipped into the coating tank where vacuum and pressure is applied to ensure complete coverage to the motor electrical windings. The motor is removed from the tank and the silicone grease is wiped from the protected areas, removing the unwanted varnish with it.

The result is a quick, inexpensive and effective means to mask the motor during rebuilding, that is easily removed and holds up to the harsh, high temperature process environment.