



Water Resistant Grease for Printed Circuit Boards

Application: Ignition Module

Location: Brazil

Challenge

One of our long-standing OEM customers manufactures vehicles using components from other suppliers. In one of their vehicles, they experienced short circuiting within their printed circuit boards, which lead to a recall of affected vehicles. When connectors within circuit boards are exposed to water, they can short circuit immediately and/or become corroded. Dealerships were unable to access the circuit board in recalled vehicles because a protective casing was built around the component. The Automotive OEM approached us to find a lubricant and dispensing option that could reach the hard to access area and solve the short circuit problem.

- Can the lubricant protect the electrical contacts from water?
- Can we provide a dispensing solution that reaches these circuit boards?

Solution

NYOGEL® 760G, 55cc Syringe

A silica thickened, medium viscosity, synthetic hydrocarbon grease.

- Excellent water resistance that protects contacts from short circuiting
- Syringe with metal tip allows dealerships to easily insert the lubricant into the circuit board
- Universal standard for dielectric grease specified by leading OEM's
- Specifications: Toyota: TSK2525G-A-NY17, Ford: WSB-M1C239-A, GM: 9986087, & FCA: MS-9496

Results

Dealerships were able to successfully dispense NYOGEL®760G into the printed circuit board of recalled vehicles because of the metal tip included in the design of the 55cc syringe. The supplier of these circuit boards was also able to use NYOGEL®760G to lubricate components during manufacturing so that this problem would not arise in the future.

Advantages

Excellent water resistance

Easy application

Prevents corrosion