



Warranty Solution for Headlight Wire Harness

Application: Headlight

Location: USA

Challenge

If a connector short circuits, it can potentially overheat and may even cause a fire under the right conditions. In vehicles with hundreds of connectors, this poses a significant safety concern. One Automotive OEM issued a warranty after vehicle headlights began to experience thermal issues within the wiring harness. To prevent the same issue from occurring, they came to us in search of a grease that would prevent short circuits in their new headlight harness.

- Can we provide a grease that protects connectors against common causes of connector failure?
- Can we provide a packaging solution that can be distributed to and applied by dealerships?

Solution

NYOGEL® 760G

A silica thickened, medium viscosity, synthetic hydrocarbon grease.

- Protects against fretting corrosion & oxidation
- Provides an environmental seal against dirt & debris
- Provides lifetime lubrication for lasting connections
- Compatible with most plastics & elastomers

Results

Short circuits may occur if connector terminals become corroded, worn, or oxidized. Connector grease protects connectors against common causes of failure including fretting corrosion (corrosion caused by microvibrations), oxidation, and even seals the terminal surface to protect it against dirt and debris. We provided the OEM with 25-gram tubes of our industry standard connector grease, NYOGEL® 760G. The OEM was pleased with the results and was able to distribute the grease to dealerships around the country.

Advantages

Provides against fretting corrosion & oxidation

Seals against dirt & debris

Compatible with most plastics & elastomers