

CASE STUDY

MOVING YOUR WORLD



Reliable, Quality Feel for E-Brake Switch

Application: Electronic Parking Brake Switch

Location: Europe

Challenge

As vehicles incorporate increasingly sophisticated electric component designs, more lubrication points are required to ensure lasting, trouble-free operation. An Automotive Tier 1 Supplier approached FUCHS in search of a lubricant for their Electronic Parking Brake (EPB) switch. The supplier needed a plastic-compatible grease that would prevent wear, reduce noise, and convey a quality feel within their switch's mechanical design.

Solution

The customer selected RHEOLUBE 362HB, a lithium soap-thickened, light-viscosity synthetic hydrocarbon grease designed to reduce noise, vibration, and harshness, delivering a high-quality tactile feel. This grease offers excellent compatibility with most plastics and elastomers and remains stable across a wide temperature range from -40 to 125°C. This grease is particularly well-suited for use in sliding or rolling components.

Results

After in-house testing, the automotive tier supplier was pleased that RHEOLUBE 362HB reduced surface wear during EPB operation and met the functional life requirements of the OEM. The supplier was also pleased with the improved tactile feel provided by the grease.

Advantages

Reduces noise, vibration, and harshness for a quality feel

Compatible with most plastics and elastomers

Stable over a wide temperature range, -40 to 125°C