

# TOUGH JOBS

A **GROSCHOPP**® CASE STUDY

## ⊕ Truck Transmission Shifter ⊕

Semi trucks run in extreme conditions—rain, cold, snow, ice, salt-spray, dust, heat and vibration, to name a few. Drivers need reliable transmission shifters to get their loads delivered on time. Groschopp's customer was looking for a compact, low maintenance motor solution that could stand up to the long miles and harsh road conditions the trucking industry endures.

Groschopp's DC motor with brush card provided the solution. The brush card design allows for minimal, simple maintenance on the motors. Designed with an ingress protection rating of IP66, including a special coating to prevent corrosion.

### CHALLENGES:

- ⊕ Harsh environmental conditions
- ⊗ Tight envelope
- ⊕ Minimal maintenance
- ⊗ Low cost

### SOLUTION:

- ⊕ PMDC motor with brush card
- ⊕ IP66 rated with special corrosion prevention coating

