



High-Performance Power Tool Grease

Application: Angle Grinder Gear Train

Location: USA

Challenge

When the proper power tool lubricant is selected it can lower tool temperatures, reduce power consumption, and improve ergonomics—all of which lead to improved product performance and increased productivity. A market leader who specializes in power tools for the DIY consumer and those in commercial trades, reached out to us to help lubricate gears in their angle grinders. These angle grinders operate at high speeds of 6500 to 8500 rotations per minute and can generate a great amount of friction from regular operational use. The lubricant would prevent the gears in their gearbox from wearing prematurely, thus increasing the overall lifespan of their angle grinders. The customer needed a cost-effective lubricant that would reduce friction and high temperatures in the gear box.

Solution

RHEOLUBE® 380 & RHEOLUBE® 380-G1

Lithium soap thickened greases that are EP fortified and rust inhibited.

- Excellent metal on metal protection
- Performs well with heavy loads
- Wide temperature range performance of -50 to 130°C

Results

RHEOLUBE® 380 AND 380-G1 successfully passed all life cycle test requirements, extending the life of their angle grinders at the right pricepoint. This will reduce premature product failure and save warranty costs. This customer and other market leaders now use RHEOLUBE® 380 to lubricate small angle grinders and RHEOLUBE® 380-G1 to lubricate large angle grinders.

Advantages

Performs well under extreme pressure

Extends gearbox life

Excellent metal-on-metal protection