



Press Release

For Immediate Release

For more information contact:

Alexia McAllister
Sr. Manager of Marketing & Communications
12 Howland Rd.
Fairhaven, Ma 02719
1.508.996.6721
www.nyelubricants.com

Commercialization of Rheotemp™ 768G Fairhaven, MA

We are pleased to announce that we have formulated and commercialized Rheotemp™ 768G for use in connector applications. Rheotemp™ 768G is a polyurea thickened, medium viscosity, synthetic hydrocarbon grease fortified with a copper passivator and UV tracer for use in electrical contacts. 768G (operating temperature range of -40°C to 175°C) was designed to meet the insertion force and resistance requirements of SAE/USCAR-2, revision 6, the performance standard for automotive electrical connection systems. A unique blend of alkylated naphthalene (AN) and PAO base oils boosts the lubricant's heat tolerance while maintaining its superior wear protection. The blended oils are also compatible with most connector materials. The morphology of polyurea molecules in the thickener allows them to easily slip and slide across each other — to increase the lubricity of Rheotemp™ 768G. Polyurea also does not burnish into contacts, a problem sometimes reported with PTFE that can increase electrical resistance.

This new grease prevents wear, environmental corrosion, fretting and resists water washout. 768G withstands higher temperatures at a cost well below silicones and perfluoropolyethers (PFPEs). In addition, Rheotemp™ 768G significantly reduces insertion force, which helps ensure a secure connection and lessens the likelihood of repetitive stress injuries among assembly workers. Rheotemp™ 768G has been fully validated through a testing protocol jointly developed by USCAR (The United States Council for Automotive Research, LLC); North American automotive OEMs including GM, Ford, and Chrysler; and major Automotive Connector Suppliers - Delphi, TE Connectivity, and Yazaki.

Rheotemp™ 768G is a direct replacement for Rheotemp 761G. Due to the discontinuance of a key component in the Rheotemp™ 761G formulation, Nye Lubricants can no longer continue its manufacture. As a result, significant time and effort has gone into the development of 768G, which now meets, and exceeds, the performance of 761G.

Nye Lubricants, Inc. is a privately held formulator and manufacturer of high-quality synthetic oils, greases and specialty fluids. Founded in 1844, Nye services customers in a broad range of industries including the top 25 global automotive parts suppliers, the world's largest aerospace and defense contractors, name-brand appliance and power tool companies, preeminent medical device manufacturers, and several leading in-vacuum equipment producers.

