

Low-temperature lubricating grease

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The subject of the invention is lubricating grease for use in friction nodes of machines and equipment operated in low temperatures, particularly signaling devices and instrumentation used in railway transport.

Due to properly selected components, such as synthetic hydrocarbon oil or synthetic ester oil, organic polyurea or polyurea-urethane thickener and an effective additive composition comprising zinc dialkyldithiophosphate and/or zinc dialkyldithiocarbamate, aromatic amine and phenolic oxidation inhibitor, the grease according to the invention is characterized by its advantageous performance including low frictional resistance and good

starting properties as well as good anti wear and anti seizure properties.

Because of the presence of organic thickener showing outstanding resistance to oxidation, the grease according to the invention displays additionally high thermal and oxidative stability, not demonstrated by conventional soap thickener based greases.

