

ARCHOIL AR8200 NLT HIGH PERFORMANCE GREASE - NANOBORATE LUBRICATION TECHNOLOGY

AR8200 High Performance Grease, with Nanoborate, is designed for extreme pressure and extreme temperature applications, formulated to provide maximum lubricity, wear reduction, EP, and corrosion protection in heavy equipment, bearings and gears, even in extreme environments.

AR8100 is the latest development in the grease industry incorporating the most advanced solid boundary nanoborate lubricant offering properties surpassing previous boron lubricants and far exceeding traditional AW additives such as zinc, phosphorous and chlorinated paraffin's which are all toxic and become acidic and corrosive as they deplete. Nanoborate is also superior to EP additive packages found in specialty greases such as moly, graphite and boric acid.

NANOBORATE:

A new approach has been developed to incorporate boron-containing nanoparticles in a naturally occurring fatty acid ester matrix carrier. This ester has a high affinity for absorbing on the surface of metal and facilitates the movement of the borate nanoparticles to the surface. Boron technology was originally developed at Argonne National Laboratories under Ali Erdemir, an award winning Tribologist proving that boron is an advanced solid boundary lubricant exhibiting very low surface coefficient and extreme high pressure agent. This nanoborate lubrication technology provides three times the bearing load of any boron lubricant and many times that of any solid boundary lubricant. The surface friction coefficient exhibited a figure of 0.037 which is almost half of the 0.071 value of other boron lubricants.

AR8200 is formulated with superior oils, a specialized additive package and the latest synthetic thickener to be developed in the grease industry. The added Calcium Complex offers exceptional anti-corrosion properties never before available in multipurpose greases.

AR8200 is completely shear stable. There is no loss of thickening power over 100,000 cycles in a grease working test. This offers long re-greasing intervals in high speed bearings.

AR8200 offers a very high dropping point. It can be used in any high temperature application suited for petroleum based greases. High polymer content equals exceptional water washout of 0.05, water spray off protection and excellent EP properties. The Calcium Sulfonate Complex thickener also contributes with the nanoborate to maintain machine parts and keep them free from damaging deposits and contamination buildup.

Archoil AR8200 NLT High Performance Grease



Products not to scale

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With excellent EP properties **AR8200** can withstand the toughest load conditions offered by manufacturing equipment, off road machinery and is perfect for chassis lubrication on heavy trucks. Nanoborate replaces and exceeds the toxic and acidic EP/AW additive packages found in most lubricants. It contains no heavy metals, PTFE, moly, sulfur, graphite, boric acid, chlorinated paraffin, zinc, phosphorous, barium, phenols, antimony or lead.

FEATURES / BENEFITS:

- 🔥 Nano lubrication technology - nanoborate
- 🔥 Extremely low friction surface coefficient of 0.037
- 🔥 Highest load bearing 4000 lbs
- 🔥 Excellent corrosion protection in marine environments
- 🔥 Shear stability over thousands of cycles
- 🔥 Very high dropping point (-35F to 550F)
- 🔥 Nanoborate replaces all AW/EP additive packages in oil
- 🔥 A true premium quality multi-purpose grease
- 🔥 The latest advanced calcium complex technology
- 🔥 Far superior to moly, graphite or boric acid
- 🔥 Compatible with water

APPLICATION:

Applications include 'O' ring gaskets, bearings, gears, valves, universal joints, electric motor bearings, fifth wheels, wheel bearings, pump bearings, heavy equipment, industrial, commercial fleet, railroad, racing, industrial gearboxes, marine, wire rope, threads, etc.

PACKAGING:

100gm Jar
400gm Tube
35lb Pail
400lb Drum

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