



AtomLube® Ultra Heavy Duty Red Grease

PRODUCT DESCRIPTION

AtomLube® Ultra Heavy Duty Red Grease is the next generation of superior performance lubricant specially designed for a wide range of multipurpose applications including Oil & Gas Field, Agricultural, Automotive, and General Industrial equipment. It is a premium, heavy duty, extreme pressure, multi-purpose grease manufactured with high performance base stocks, high quality lithium complex thickener, and nGlide® leading edge nano-engineered multi-component lubricant additives. Oxidation inhibitors provide excellent high temperature performance along with polymers to provide exceptional water washout resistance. You should experience reduced maintenance expense through less wear on components, extended equipment life and less frequent greasing intervals.

AtomLube® Ultra Heavy Duty Red Grease is excellent for mechanical components and systems such as bearings, pins, studs, joints, couplings, plugs, bushings, pumps, conveyors, and other contacting surfaces where long-lasting lubrication is desired. It is an ideal chassis lubricant where water washing and shock loading protection is needed such as in agriculture, construction, trucking, mining and other on and off road equipment. This product is designed to handle operating temperature of -40 °F to +400 °F.

KEY FEATURES AND BENEFITS

AtomLube® Ultra Heavy Duty Red Grease is a state-of-the-art product designed by our scientists and engineers using specially selected combinational chemistries. The lithium complex thickener contributes high temperature stability, excellent adhesion, structural stability and resistance to water. These properties are complemented by nano-engineered nGlide® super additives to provide exceptional wear & EP protection, low coefficient of friction, excellent extreme temperature performance, rust and corrosion resistance, thermal/oxidative resistance and enhanced water resistance properties. Not recommended for small anti-friction bearings operating over 5000 rpm.

Features	Benefits
Outstanding Extreme Pressure and Wear Protection	nGlide® additives form a layer of protection between metal surfaces to eliminate welding and scoring associated with severe shock loading
Excellent Oxidation and Corrosion Resistance	Protects metal surfaces from harmful effects of water, acidity, and other contaminants
Superior Water Resistance	Resists harmful dilution and corrosive effects of water while protecting equipment. Keeps the environment out of bearings.
Extended Service Life	The extra protection provided by nGlide additives provides the ability to extend PM intervals, reduce lubricant consumption and prolong the useful life of equipment
Extended Application Range	Avoid selection difficulties, reduce inventory costs, and reduce potential risk caused by grease incompatibility





HOW TO USE

To achieve the best performance of the product, fully purge the competitor grease out before applying appropriate amount of AtomLube® grease to achieve the best performance.

TYPICAL PROPERTIES

Test Method	AtomLube® Ultra Heavy Duty Red Grease
NLGI Grade	2
Thickener Type	Lithium Complex
Color	Red
Texture	Smooth & Tacky
Base Oil Viscosity, ASTM D445, cSt @ 40 °C	220
ASTM D-217 Worked Penetration, 60 strokes @ 25 °C	280
ASTM D-2265 Dropping Point, °F	500
ASTM D-1743 Rust Preventive, 48 hrs. @ 52°C	Pass
ASTM D-1264 Water Washout @ 80°C	5% max.
ASTM D-2266 Four-Ball Wear Test, mm	0.40
ASTM D-2596 Four-Ball Extreme Pressure, Weld Load, kg	500
Four-ball COF (Coefficient of Friction)	0.06

HEALTH AND SAFETY

Based on available information, this product is not expected to have adverse effects on health and safety when used for the intended application. Please follow the recommendations provided in the Safety Data Sheet (SDS) for detailed information. SDS is available upon request.



WARRANTY

When properly stored and used in accordance with instructions, any unsatisfactory material will be replaced with any product in our line on a dollar-for-dollar basis, provided the account is paid in full, and VinTech Nano Materials is notified in writing within 12 months of the date of the order by the customer.

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NOTE

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Making atoms work harder and smarter.™

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