

**AmberTech MSM**  
*Lubricate to the Molecular Level*  
**Product Bulletin:**  
**AmberTech MSM Grease**



AmberTech MSM Grease is a high performance, extreme pressure grease that exhibits outstanding film strength and resistance in the most corrosive environments. It has been validated to reduce greasing intervals up to 90% and proven to significantly reduce temperatures at Fortune 500 companies.

*"The AmberTech grease proved a 70% reduction in interval repacking and we replaced zero worn parts."* – Jeff Bearden, Pump & Field Supervisor

**Product Features/Advantages**

- Outstanding film boundary strength
- Sustainable High Performance in Extreme Pressure Applications
- High drop point (550 °F)
- Calcium Sulfonate Complex Base Infused with M99
- Water resistant
- Anti-corrosive (Impedes corrosion from rust, oxidation, dirt, etc.)
- Fire retardant
- Suitable for manual or centralized greasing systems
- Manufactured at an ISO 9001 facility
- Multipurpose grease (Ideal for all industries including Wind Energy, Construction, Manufacturing, Mining, Oil and Gas, Automotive, Aerospace, Marine, Agriculture, etc.)

*"We tried AmberTech MSM Grease in the bucket pins of a 988H Cat Loader...we saw the ability to run 6 times longer and then use 1/3 to 1/4 as much grease...AmberTech is the real deal."* – Chris Goble, Maintenance Coordinator

**AmberTech MSM Grease Benefits**

- Drastically reduce greasing intervals (50% to 90% on average)
- Decreases energy demand on equipment
- Superior film boundary protection for gears and bearings
- Extends equipment life through shielding corrosion at molecular levels.
- Minimizes downtime from breakdowns
- Lowers maintenance and operating costs
- Reduces friction, heat, and metal wear
- Decrease vibrations and enhances energy production in wind turbines
- Increases the equipment's operational efficiency

*"AmberTech MSM Grease is the new standard for wind turbine reliability and sustainability...The turbine instantly quieted down to silent and began to produce more KW power than it ever had before"* – John Fellhauer, PowerGrid Partners

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**Typical Properties**

Product Number	ATGR	Test Method
Thickener Type	Calcium Sulfonate Complex	-
Appearance	Smooth	Visual
Color	Green	Visual
NLGI Grade	2.5	NLGI
Worked Penetration	240-270	ASTM D-271
Operating Temperatures	10°F to 440°F	-
Drop Point	550°F	ASTM D-2265
Base Oil Viscosity, cst at 40°C	162	ASTMD-445
Wheel Bearing leakage, gm	5.0 Max	ASTM D-1263
Rust Test	Pass	ASTM D-1743
Water Washout @ 175°F, % wt	3.0	ASTM D-1264
Weld Load, kg	800	ASTM D-2596
Load Wear Index	65	ASTM D-2596
Timken OK Load, lb	>65	ASTM D-2509
USS Mobility Steel Test		USS DM 43
0°F, gm/min	14.2	
-20°F, gm/min	4.5	

**AmberTech MSM Grease Sizes**

14 oz. Tube	55 gal. Drum
Case (10 Tubes)	275 gal. Tote
Master Case (5 Cases)	125 cc Automatic Lubricator (Gas)
5 gal. Bucket	125 cc Advanced Auto. Lubricator (Mechanical)
16 gal. Keg	250 cc Advanced Auto. Lubricator (Mechanical)

AmberTech MSM Grease features excellent stability for continued long service life. A review of the SDS demonstrates that AmberTech products have similar profiles as conventional lubricants.

For any question with compatibility, visit [www.ambertech-global.com](http://www.ambertech-global.com) and view the grease product page for a compatibility chart. For any technical questions, please call 903-739-2128 and one of our technical specialists will gladly assist you.

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