

QUAKER STATE® MULTI-PURPOSE AND WHEEL BEARING GREASE

TECHNICAL DATA SHEET



Quaker State® Multi-Purpose Grease And Wheel Bearing Lubricant is a high temperature, NLGI Grade 2, lithium complex grease which contains high quality petroleum base oils. The primary application for it is in high temperature operations such as wheel bearings on vehicles equipped with conventional, disc and antilock braking systems. These high temperature applications demand the use of Quaker State® Multi-Purpose Grease And Wheel Bearing Lubricant to resist melting of the grease and the resulting leakage from the bearings. It may be used at continuous operating temperatures up to 325°F. Special additives in Quaker State® Multi-Purpose Grease And Wheel Bearing Lubricant prevent rust and corrosion, reduce wear, and provide extreme pressure protection. It has excellent resistance to softening or hardening in service, resists water washout, and flows readily at cold temperatures.

PERFORMANCE, FEATURES & BENEFITS

- Outstanding high temperature wheel bearing performance
- Excellent extreme pressure and anti-wear performance
- Resists wheel bearing leakage at high temperatures
- High dropping point
- Highly water resistant
- Excellent cold temperature flow properties

MAIN APPLICATIONS

Quaker State® Multi-Purpose Grease And Wheel Bearing Lubricant exceeds the requirements of the NLGI GC-LB specification, which is the highest performance rating available. This means that it is satisfactory for use as both a severe duty chassis and wheel bearing lubricant, resisting oxidation, evaporation and consistency degradation while protecting the components from corrosion and wear.

TYPICAL PHYSICAL CHARACTERISTICS

Properties	Method	QS Multi-Purpose and Wheel Bearing Grease
NLGI Grade		2
NLGI Service Classification		GC-LB
Thickener Type		Lithium Complex

Quaker State® Multi-Purpose Grease And Wheel Bearing Lubricant is a true multi-purpose grease for all automotive applications - ball joints, chassis, and U-joints. This product is also recommended for wheel bearings on boat trailers.

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

For best results, always clean wheel bearings thoroughly before repacking with any wheel bearing lubricant, including Quaker State® Multi-Purpose Grease And Wheel Bearing Lubricant.

To find the right Quaker State® product for your vehicles and equipment, please consult www.quakerstate.com to look up the right motor oil recommendation using our oil selector.

QUAKER STATE® MULTI-PURPOSE AND WHEEL BEARING GREASE

Properties		Method	QS Multi-Purpose and Wheel Bearing Grease
Color			Amber
Texture			Adhesive, Smooth
Penetration	@ 77°F Worked, 60 strokes	ASTM D217	280
Dropping Point,	°F(°C)	ASTM D2265	500 (260)
Timken EP Test,OK Load	lbs	ASTM D2509	45
Four Ball Extreme Pressure Test Weld Load	kgf	ASTM D2596	315
Four Ball Extreme Pressure Test Load Wear Index		ASTM D2596	50
Four Ball Wear Test, scar diameter	mm	ASTM D2266	0.45
Wheel Bearing Life Test	hours of life, Min	hours	ASTM D3527
Low Temperature Torque	@ -40°C	N-m	ASTM D4693
Water Washout Test	@ 175°F	% wt. loss	ASTM D1264
Oxidation Stability,	100 hr. psi loss @ 210°F	psi	ASTM D942
Rust Prevention			ASTM D1743
Wheel Bearing Leakage		gm	ASTM D4290
Base Oil Viscosity	@ 40°C	cSt	ASTM D445
Base Oil Viscosity	@100°C	cSt	ASTM D445
Material Numbers	10/14 Ounce Cartridge		50221
Material Numbers	12/1 Pound Container		50229
Material Numbers	120 Pound Drum		50226

These characteristics are typical of current production. While future production will conform to Quaker State's® specification, variations in these characteristics may occur.

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Quaker State® Multi-Purpose Grease And Wheel Bearing Lubricant is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet (MSDS), which can be obtained from www.epc.shell.com

Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

QUAKER STATE® MULTI-PURPOSE AND WHEEL BEARING GREASE

ADDITIONAL INFORMATION

Advice

Advice on applications not covered here may be obtained from your Quaker State® Lubricants distributor representatives or technical help desks.