



Product Bulletin

GULF SUPER DUTY EP GREASE

Gulf Super Duty EP Grease is a versatile **lithium complex**-based, high temperature bearing grease designed for applications where elevated temperatures, high speeds and extended lubrication intervals are required. Super Duty EP Grease is specially formulated to have a high dropping point and premium quality extreme pressure characteristics making it very well suited for use in high temperature, disc-brake wheel bearings. **Gulf Super Duty EP Grease** is red in color and has a smooth, adhesive texture, making it easily detectable.

FEATURES AND BENEFITS:

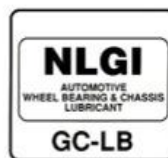
Gulf Super Duty EP Grease contains a state-of-the-art "Passive EP" additive system, which provides protection over a wide temperature range, as opposed to the conventional heat-activated EP technology. Super Duty EP Grease will provide excellent protection against heavy shock loading conditions while resisting water contamination for maximum surface protection. Additionally, this product offers the following benefits:

- Longer equipment life
- Outstanding oxidation resistance
- Excellent protection against wear
- Superior rust and corrosion protection
- Excellent pumpability at low ambient temperatures

APPLICATIONS:

Gulf Super Duty EP Grease is ideally suited for heavy-duty trucks, construction equipment, earthmoving equipment, industrial systems, marine service, mining operations and farm equipment. **Gulf Super Duty EP Grease** meets all requirements of NLGI GC-LB for automotive wheel bearings and chassis applications and can be used in a wide variety of grease lubricating applications where NLGI #1 or #2 grease is required, such as the following:

- King pins
- Bucket pins
- Fifth wheels
- Universal joints
- Trailer landing gears
- General chassis lube
- Ball and roller bearings
- Electric motor bearings



Gulf Super Duty EP Grease 1 & 2 meet the ASTM D 4950 requirements for Wheel Bearing Grease Category **GC** and Chassis Grease Category **LB**. Cartridge labels display the NLGI Certification Mark GC-LB for Automotive Wheel Bearing & Chassis Lubricant.

SELECTION:

Gulf Super Duty EP Grease is available in two NLGI grades - **#1** and **#2**. The physical and chemical properties are listed on the back. Follow equipment manufacturer recommendations for appropriate NLGI grade.

AVAILABILITY:

Gulf Super Duty EP Grease is available throughout Gulf's marketing area. Your Gulf representative can provide specific information. Need additional information? Call Gulf @ 1-800-566-GULF (4853) or visit Nu-tierbrands.com.

Gulf Super Duty EP Grease- Typical Properties

NLGI Grade		#1	#2
Product Code	Test Method	344011	344012
Thickener Type	ASTM D-128	Lithium Complex	Lithium Complex
Thickener Content, wt. %	ASTM D-128	8	10
Base Oil Viscosity, cSt @ 40°C	ASTM D-445	195	195
Base Oil Viscosity, cSt @ 100°C	ASTM D-445	20	20
Base Oil Viscosity, SUS @ 100°F	ASTM D-2161	905	905
Base Oil Viscosity, SUS @ 210°F	ASTM D-2161	98.5	98.5
Base Oil Viscosity Index	ASTM D-2270	95	95
Color	Visual	Red	Red
Appearance	Visual	Smooth	Smooth
Cone Penetration @ 77°F Worked, 60x	ASTM D-217	325	280
Dropping Point, °F (°C) (min)	ASTM D-2265	500 (260)	525 (272)
Four-Ball Wear Test, mm	ASTM D-2266	0.5	0.5
Four-Ball Weld Point, kgf	ASTM D-2596	315	315
Water Washout, wt.% loss @ 175°F	ASTM D-1264	6.0	2.5
Copper Strip Corrosion	ASTM D-4048	1B	1B
Rust Prevention, rating	ASTM D-1743	Pass	Pass
Low Temp. Torque @ -40°C, N·m (max)	ASTM D-4693	15.5	15.5
Wheel Bearing Life Test, hours (min)	ASTM D-3527	80	80
Operating Temperature Ranges Minimum, °F (°C) Maximum Continuous Service, °F (°C)		-20 (-29) 325 (163)	-10 (-23) 325 (163)
Timken OK Load, lbs. (min)	ASTM D-2509	60	60