

# LOCTITE® LUBRICANTS PROTECT YOUR EQUIPMENT AND KEEP IT RUNNING SMOOTHLY

**LOCTITE® Lubricants** offer protection for industrial plants and equipment. This range includes organic, mineral and synthetic-based products meeting the requirements of industrial applications. The typical function of a lubricant is to protect against friction and wear. Lubricants are also used to protect against corrosion by displacing moisture and leaving a continuous coating on the part.

## CONSIDERATIONS WHEN CHOOSING A LUBRICANT

When choosing a lubricant, it is important to consider the intended application as well as the environmental conditions to which the assembly will be exposed. Environmental conditions are critical to the successful selection of the right lubricant product. Factors including high temperature, harsh chemicals and contaminants may have an adverse effect on the expected lubricant performance.

The NLGI rating is also important to consider. The NLGI rating consistency number expresses a measure of the relative hardness of a grease used for lubrication, as specified by the standard classification of lubricating grease established by the National Lubricating Grease Institute (NLGI).

## KEY BENEFITS OF USING LOCTITE® LUBRICANTS:



- Improved high temperature performance
- Higher lubricity
- Provides lubrication in extreme environments
- Superior water-washout properties
- Higher purity
- Protects against rust, corrosion, seizing and galling

NLGI number	ASTM worked (60 strokes) penetration at 25°C tenths of a millimetre	Appearance	Consistency food analog
000	445-475	Fluid	Cooking oil
00	400-430	Semi-fluid	Apple sauce
0	355-385	Very soft	Brown mustard
1	310-340	Soft	Tomato paste
2*	265-295	"normal" grease	Vaseline
3	220-250	Firm	Vegetable shortening
4	175-205	Very firm	Frozen yogurt
5	130-160	Hard	Smooth pate
6	85-115	Very hard	Cheddar cheese

*\*Most common grease viscosity for general applications*

## Performance Classifications:

Application	NLGI Service Classification	Service Limitations
Chassis	LA	Mild, frequent re-lubrication
Chassis	LB	Infrequent re-lubrication, high loads, water exposure
Wheel Bearings	GA	Mild duty
Wheel Bearings	GB	Moderate duty, typical of most vehicles
Wheel Bearings	GC	Severe duty, high temperatures, frequent stop and go service

## KEY LOCTITE® LUBRICANT SOLUTIONS:

### LB 8034™ HIGH PERFORMANCE SYNTHETIC GREASE



**LOCTITE® LB 8034™** is an advanced multi-purpose grease that is composed of synthetic PAO (polyalphaolefin) base stocks and a calcium sulfonate additive. Ideal for use as a long-life lubricant in industrial applications. It is ideal for use on food processing equipment, as a release agent on gaskets or seals and is an acceptable choice for use as a protective anti-rust film NLGI Grade 2/Severe Duty GC-LB

Part Number	Size
457453	1 cc pouch
457456	3 oz tube
457457	400 g cartridge
457458	400 g can

### LB 8801™ SILICONE LUBRICANT



**LOCTITE® LB 8801™** is a translucent, non-curing silicone grease paste that seals, lubricates, protects, waterproofs and electrically insulates metal, rubber and plastic parts. Useful as a stopcock lubricant, plug or ball valve lubricant, valve stem packing lubricant and protector for electrical contacts. It has excellent fluid resistance to water-based fluids, alcohols, mineral- and vegetable oils. Great lubricant for food processing equipment.

Part Number	Size
234317	5.3 oz tube

### LB 8040™ FREEZE AND RELEASE



**LOCTITE® LB 8040™** is a special mineral oil designed to free rusted, corroded and seized parts. The shock-freezing effect will cool parts instantly down to -43 °C and cause microscopic cracks in the layer of rust. This allows the lubricating ingredients to wick directly into the rust by capillary action. The product leaves a thin film on the released parts that lubricates and prevents rust.

Part Number	Size
2343777	13.5 oz

### LB 8713™ SUPER PENETRATING OIL



**LOCTITE® LB 8713™** is a straw-colored, clear, liquid petroleum distillate penetrating aerosol oil that flows between rusted and corroded parts to break the bond of oxidized metal. It is used for releasing rusted or frozen lugs, bolts, screws, fasteners, metal components, general overhaul and repair work and lubricating close fitting parts

Part Number	Size
1865406	12.25 oz aerosol

### LB 8017™ MOLY DRY FILM LUBRICANT



**LOCTITE® LB 8017™** is a black, molybdenum-disulfide based solid film lubricant. It is a heavy-duty lubricant used for general plant maintenance, metal working trade, machinery manufacturers and manufacturers of military and commercial jet engines. Typical applications include Maintenance, Aerospace, Automotive Heavy Equipment, Electrical and Petro Chemical industries.

Part Number	Size
1786074	12 oz aerosol

### LB 8632™ CLEAR HIGH PERFORMANCE SYNTHETIC GREASE



**LOCTITE® LB 8632** is a white, opaque, advanced multi-purpose grease that is composed of synthetic PAO (polyalphaolefin) base stocks and a fumed silica thickener. It is ideal for use on food processing equipment as a lubricant and as a release agent on gaskets or seals. It also contains PTFE filler which provides excellent wear resistance under extreme loads.

Part Number	Size
675961	3 oz. tube
675962	400 g cart.

Product Name	Feature	Part Number	Size
LB 8423 Dielectric Grease	Electrical equipment	270640 495549	0.33 oz. tube 2.7 oz. tube
LB 8209 RFE PFPE Lubricant	High-performance synthetic grease	234339	2 oz. tube
LB 8213 RFE High Performance Lubricant	Long-lasting lubrication for parts that are inaccessible	234340 234337	2 oz. tube 1 lb cart.
LB 8104 Food Grade Grease	Food processing	209754	14.5 oz. cart
LB 8529 White Lithium Grease	Metal-to-metal, metal-to-plastic	1906122	10.75 oz. net wt. aerosol



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