



# Renewable Lubricants, Inc.

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## MaxxLife™ HT 600 High Temperature Multipurpose Grease

### NLGI # 2

This High Temperature EP grease is a state-of-the-art product, characterized by exceptional mechanical and oxidation stability. MaxxLife HT™ 600 is the big brother to the little brother MaxxLife HT™ 220 (see MaxxLife HT 220 data sheet). MaxxLife HT™ 600 is formulated with a heavier base oil to improve performance in larger, heavier loaded, slower moving bearings, and sliding surfaces where the use of a grease with a much heavier base oil is beneficial or required. The extremely high load carrying ability, excellent resistance to water, superior corrosion protection, and outstanding stability in high temperatures, makes it a premium high performance heavy duty grease. It contains no heavy metals or other harmful or environmentally undesirable additives. This EP grease is formulated with a state-of-the-art overbased calcium sulfonate thickener that gives long life at high temperatures, high extreme pressure characteristics and exceeds NLGI GC/LB (ASTM D-4950).

**Applications:** MaxxLife HT™ 600 simply adds a heavier cushioning film between metal to metal surfaces under heavier loads or in large equipment where close tolerances and high speeds are not a concern such as: industrial and mining machinery, transportation, agricultural, construction and forestry equipment, and marine applications. As a general rule, use MaxxLife HT™ 600 in bearings larger than 3 in. shaft diameter and/or operating less than 1,800 RPM. Large journal, roller, and ball bearings in paper mills, rubber mills, steel mills, bridge bearings, turn tables, conveyors, electric motors, pumps, wheel bearings, and also fifth wheels, hinge pins, king pins, and chassis are typical applications that can benefit from the use of MaxxLife HT™ 600.

Unique high performance multipurpose automotive and industrial grease

- Unique high performance heavy duty industrial grease
- Increases bearing life 2-4 times over conventional (soap-based) grease lubricants (e.g. Lithium/Lithium Complex, etc.)
- Provides significant protection in automotive, industrial and agricultural wheel bearing applications where temperatures can be high due to heat from disc brakes
- Excellent for chassis lubrication because of superior low temperature properties, shear stability, and water resistant
- Preferred grease for lubrication of antifriction bearings
- Recommended for (Seal For Life) Applications
- Outstanding corrosion protection
- Environmentally friendly
- Excellent compatibility with other greases

### Typical Specifications:

Base Oil	Viscosity SUS @ 100 °F	ASTM- D 445	2600
	Viscosity SUS @ 210 °F		156
	V.I.		95
Pour Point, °F		ASTM- D 97	+5
Operating Temperature Range		ASTM- D-566	-20°F to +350°F
Color			Amber
Texture			Buttery
Appearance			Smooth
Dropping Point F °F (°C)		ASTM- D- 2265	+572 (+300)
Water washout @ 79°C (175°F) % loss		ASTM- D- 1264	2.75
4-Ball wear test m.m scar, 40kg, 1200 RPM 75°C, 1 H		ASTM- D-2266	0.39
4-Ball EP test		ASTM- D-2596	
	LWI, kg		65
	Weld point, kg		500
Timken OK load lbs		ASTM- D-2509	65
Pen. @ 250C (77°F) mm/10		ASTM- D-217	
	Pen. worked 60 strokes		270
	Pen. worked 10,000 strokes change from 60 strokes		-1
	Pen. worked 100,000 strokes change from 60 strokes		+2
Roll Stability Pen.		ASTM- D-1831	+19
Oil Separation -24 hours @ 25°C (77°F)		ASTM- D- 1742	0.17
Rust test rating		ASTM- D- 1743	Pass
Oxidation Stability –Pressure Vessel Oxidation		ASTM- D-942	
	psi press. drop/100 hours		0
	psi press. drop/500 hours		2
	psi press. drop/1000 hours		9
Salt Fog Corrosion hrs		ASTM- B- 117	4,000
Wheel bearing leakage grams, modified @ 163°C (325°F)		ASTM- D- 1263	0.40
LT-37 Mobility		LT-37	
	40°F		133.1 g/minute
	0°F		4.98 g/minute

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**Availability F.O.B. :Manufacturer 16 oz. Tubes 35 lb Pails 120 lb Kegs 400 lb Drums**

RLI Product Item #

89011

89014

89015

89016