



Renewable Lubricants, Inc.

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MaxxLife™ HT 220 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™ 220 is the little brother to the heavy duty MaxxLife HT™ 600 (see MaxxLife HT 600 data sheet). The very high load carrying ability, excellent resistance to water, superior corrosion protection, and outstanding performance in a wide temperature range, make it a high performance premium multipurpose 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: Industrial and mining machinery, transportation, agricultural, marine applications, construction and forestry equipment, paper mills, conveyors, journal bearings, electric motors, and pumps can benefit from its long lasting protection.

- Unique high performance multipurpose automotive and 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	1100
	Viscosity SUS @ 210 °F		85
	V.I.		95
Pour Point, °F		ASTM- D 97	+5
Operating Temperature Range		ASTM- D-566	-20°F to +350°F
Color			Tan
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. Tube 35 lb Pail 120 lb Keg 400 lb Drum

RLI Product Item # 89001 89004 89005 89006