

## 229 ULTRA RED SUPREME NLGI 0

Ultra Red Supreme is a para-synthetic, versatile, multipurpose extreme pressure aluminum complex base grease that is specially formulated for use in all types of heavy-duty automotive, construction, mining, farming and industrial equipment. Ultra Red Supreme protects equipment even under the most adverse conditions of excessive pressure, heat, cold, moisture and high and low speeds.

Ultra Red Supreme is compounded from a unique combination of high quality para-synthetic base oils and specially selected additive system in an aluminum complex base thickener, to provide the following performance features:

- **PERFORMANCE**

- Excellent pumpability characteristics for use in centralized lube systems.
- Very good to excellent low temperature pumpability.
- Excellent reversibility--allows Ultra Red to retain its' grease like consistency and remain in the bearings during periods of heat, high shock loading, extreme pressure and severe mechanical action.
- Excellent adhesive and cohesive properties in order to provide the Ultra Red Supreme with the ability to resist washout, pound out, splatter or squeeze out during periods of high loads, vibration, shock loading, extreme pressure and severe mechanical action.

- **STABILITY**

- Excellent shear and mechanical stability.
- Excellent resistance to bleeding.
- Excellent resistance to oxidation.
- A high dropping point.

- **WEAR PROTECTION**

- Excellent resistance to water washout and water spray off.
- Excellent antiwear and extreme pressure load carrying properties
- Excellent rust and oxidation inhibiting characteristics.

Ultra Red Supreme uses an organic, Synthesized Moly which plates itself to metal surfaces of bearings like molybdenum disulfide ( $\text{MoS}_2$ ). Once plated, Synthesized Moly forms a long lasting lubricant film that further reduces friction and wear, especially during periods of high shock loads, vibration and extreme pressure. This lubricant film will withstand pressures up to 500,000 pounds per square inch, giving the metal surfaces of the bearings the protection they need during these extreme conditions.

Synthesized Moly also helps to reduce friction which results in reduced wear, reduced contact area temperatures, increased equipment life, less downtime and extended lubrication cycles.

***The use of Synthesized Moly enables Ultra Red Supreme to be suitable for use in the lubrication of rolling element bearings and can be used in those rolling element bearing applications that have restrictions on the use of greases that contain molybdenum disulfide ( $\text{MoS}_2$ ).***

***Due to its superior cohesive and adhesive properties Ultra Red Supreme is not recommended for use in passenger car automotive wheel bearing or in electric motor bearing applications.***

Ultra Red Supreme can be applied either manually or by a heavy-duty automatic lube system.

Ultra Red Supreme meets and exceeds the following specifications and manufacturer's requirements: US Steel 346, 352, 355, 370 371 specifications, Caterpillar MPGM, Komatsu, MIL-G-234C, Case-IH 251H, John Deere, New Holland, Ford M1693A, General Motors, Chrysler, P&H 472B, 472C and 472D, Federal Specification VV-G-632A, MIL-G-4343C, MIL-23549C, DOD-G-24508A(Navy), JIS K2220, DIN 515825, SKF, Fag, INA, Torrington, Timken, Rexnord Link-Belt Bearing Division, NSK, Koyo, NTN Bearing, and Roller Bearing Company of America.

## TYPICAL PROPERTIES

### NLGI GRADE

Specific Gravity 60°F	0
Type Thickener	0.8916
Dropping Point °F/°C (ASTM D2265)	Aluminum Complex
Worked Penetration 77°F/25°C, 60 Strokes, (ASTM D217)	500°/260°
Rust Inhibition Test (ASTM D1743) Rating	355-385
Oil Separation (ASTM D1742), % Wt. of Oil Separated	1, 1, 1
Pressure Oil Separation, US Steel Method. G	1
Timken EP (ASTM D2059), Fail Load, lbs.	0.8
Four Ball EP (ASTM D2596)	65
Load Wear Index (kg)	54.91
Weld Point (kg)	400
Four Ball Wear Test (ASTM D2266)	
Scar Diameter, mm	.6
Evaporation Loss (ASTM D2595)	
% Loss 22 hrs. @ 250°F	0.4
Wheel Bearing Leakage Tendency (ASTM D1263)	
Leakage, grams	0.8
Deposits	No Deposits

### BASE OIL PROPERTIES

Viscosity SUS @ 100°F (ASTM D445)	1300
Viscosity cSt @ 40°C (ASTM D445)	244.96
Viscosity cSt @ 100°C (ASTM D445)	19.71
Viscosity Index (ASTM D2270)	105
Flash Point °F/°C (ASTM D92)	530°/276.7°