



LUBRICANTS™

POWER TO PERFORM™

HP AP3 LL (B) **ALL PURPOSE LONG LIFE NLGI 3** **GREASE**

SPECIAL FEATURES

HP AP 3 LL(B) is a lithium base grease formulated with advanced additives for lubrication under normal as well as adverse mechanical conditions. The advanced additives incorporated in the grease rapidly reduce friction and wear, thus enhancing component life and extending re-lubrication intervals. HP AP 3 LL(B) has excellent shear stability and good surface adhesion. It is non-ageing and is highly resistant to water, heat, rust, corrosion and oxidation.

APPLICATION AREA

HP AP 3 LL(B) is suitable for long term lubrication of all types of heavy and medium duty automotive wheel bearings - particularly trucks, transport vehicles, tractors, earth-movers, etc. operating under heavy loads. It is also recommended for all types of industrial ball and roller bearings of heavily loaded equipment such as construction machinery, cranes, industrial blowers, motors, fans, etc.

PHYSICO-CHEMICAL PROPERTIES

HP AP 3 LL(B)		
Properties	Test Methods	Specifications / Typical Values
Thickener Type		Lithium
Base Oil		Mineral
Worked Penetration 60/60 Strokes at 25° C	ASTM D 217	220 -250
Change in Penetration after 100,000X, strokes at 25° C, max.	ASTM D 217	± 25 units
Dropping Point °C	ASTM D 566	180
Four Ball Weld Load, Kg	ASTM D 2596	200
Water Washout at 80° C weight loss, % max.	ASTM D 1264	5
Heat Stability at 100° C/ 30 hrs., % loss max.	ASTM D 6184	3
Oxidation Stability at 100° C, Pressure drop after 100 hrs., psi max.	ASTM D 942	10
Emcor Rust Protection Test	IP 220	0,0
Temperature Range, °C		-20 to +130

PERFORMANCE BENEFITS

HP AP 3 LL(B) provides the following benefits:

- Excellent performance under heavy loads
- Excellent protection from friction & wear
- Reliable corrosion protection which extends component life
- Resistance to water wash-out