

## Puma Lith EP Grease

### Extreme Pressure Grease

Puma Lith EP Greases are recommended for rolling and plain bearings lubrication whether operating under normal or severely loaded service conditions. The NLGI semi fluid grades which are Nos. 00 and 0, are recommended for “self-levelling” applications or through centralised automatic lubrication systems. Lith EP greases are manufactured with lithium hydroxystearate base thickener and selected high viscosity index mineral oils combined with rust, oxidation and corrosion inhibitors and extreme pressure additives.

- ✓ Extreme Pressure
- ✓ Oxidation Resistance
- ✓ High Temperature

### Designed to Perform

#### High Shear Stability

High Shear Stability ensures long service life particularly in sealed anti-friction bearing. The excellent resistance to mechanical shear combined with high film strength, maintains grease consistency for extended lubrication service.

#### Rust Inhibitors

Rust and corrosion inhibitors promote effective lubrication under difficult environments that may be corrosive or rust prone service situations. These inhibitors protect all metal components under these adverse conditions.

#### Water Resistance

Formulated to guarantee a much-improved level of resistance to water washout to extend to bearing life in wet environments.

#### Superior Oxidation and Thermal Stability

Extends the grease life and enhances bearing protection in high temperature applications.

#### Pumpability

Good in and low-high temperature performance.

#### Operating Temperature Range

The recommended temperature range is -20°C. to 130°C, however they may be used at higher temperatures with the lubrication frequency increased accordingly.

### Applications

Multi-purpose greases for high and low temperature applications. They protect all moving parts from shock loadings; they prevent scuffing and reduce wear because Puma Lith EP greases have excellent shear stability, high load extreme pressure characteristics.

Lith EPOO is suitable for the lubrication of enclosed gears and bearings in poorly sealed gear cases and as a replacement for gear oils that cannot be retained in gearboxes due to worn seals.

Lith EPO is suitable for centralised lubrication systems where the grease must be pumped a significant distance or through small grease lines.

### Typical Physical Characteristics

Test	ASTM Method	Typical Results	
NLGI	-	00	0
Appearance	-	Dark Brown	Dark Brown
Soap Type	-	Lithium	Lithium
Penetration at 25°C - worked	D.2.17	415	370
Dropping Point, °C	D.2265	152	170
Oxidation Stability - Pressure Drop, 100 hours, kPa	D.942	35	30
Rust Prevention Rating	D.1743	Pass	Pass
Timken, OK Load, kg	D.2509	23	23
4-Ball Weld Load, kg/f	D.2596	290	290
4-Ball Wear Scar, mm	D.2266	0.48	0.48
Mineral Oil Viscosity, cSt at 40°C	D.445	180	180

*These characteristics are typical of current product methods whilst future production will conform to Puma Lubricants specifications, variations in these physical characteristics may occur.*

### Health & Safety Environment

- > This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- > Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Safety Data Sheet (SDS) which can be obtained from [sds.pumaenergy.com.au](https://sds.pumaenergy.com.au)

### Protect the Environment

- > Take used oil to an authorised collection point. Do not discharge used or new oil into drains, soil or water.

### Additional Information

- > Technical advice may be obtained from your Puma Energy Representative.