

## LA 148 HIGH LOAD PARA-SYN® GREASE

NLGI-2 LB-GC

### DESCRIPTION

LA 148 High Load Grease is manufactured from exclusive PARA-SYN base oils and complexed lithium stearate grease. LA 148 is a scientifically-developed, ultra-tacky, heavy-duty and tenacious lubricant for chassis, load and slide applications for long term operation time, superior adhesion qualities under high and low loads, in both dry and moist conditions.

LA 148 is designed to provide protection against corrosion and metal-to-metal contact in a wide range of automotive, marine, industrial, workshop and domestic applications, particularly where high loads are encountered.

### EXCELLENT LOAD CARRYING CHARACTERISTICS

LA 148 provides an excellent load carrying ability to hold over 490kg 4-Ball weld test. It forms an even, balanced lubricant layer of 'bearings' between frictional metal faces as it will not tear and rupture with stay put qualities that will stay in place long after application. LA 148 retains its NLGI 2 texture and will not squeeze out. Due to the continuous alkane chain, LA 148 will not pound out of chassis joints or 'wipe away' from opposing frictional surfaces.

### MAXIMISED GREASING INTERVALS

Once the maintenance personnel have established LA 148 in the working enclosure, a noticeable difference in the greasing consumption will be evident to the applicator. The cost of effective and correct greasing is only a fraction of the cost compared to downtime when production, labour and parts are added together in monetary value to business.

### OXIDATION RESISTANCE

LA 148 has special oxidation inhibitive qualities that resist oxidation of the lubricant, therefore retaining the elasticity required for extended lubrication intervals. Ordinary greases used for lubrication systems easily squeeze out leaving the vital metal surfaces exposed to oxidation. Oxidation is the forerunner of cancerous corrosion and its resultant downtime.

### FORMULATED TO RESIST CONTAMINATION

Lubrication systems are invariably used in areas where abnormal dust, dirt, grit and similar conditions prevail. Ordinary greases adopted for lubrication systems readily absorb dust, dirt and grit. This rapidly forms an abrasive mixture that causes premature wear. LA 148 however, has built-in 'proprietary qualities' that actually form an outer shell after application. This keeps dust, dirt, grit and other contaminants out.

**EXTREME PRESSURE USE**

LA 148 is loaded with extreme-pressure supplements that resist-

Compression	Impact	Loading
Velocity	Shock	Force
Pressure	Squeeze-Out	High Force Sliding

**APPLICATION**

LA 148 is recommended for use in heavy transport, agriculture, construction, automotive, marine, metal, and wood manufacturing industries where a fine smooth tacky lubricant is required. Ideally, LA 148 is useful in low rotational, slow speed, plain and roller bearings not exceeding 2,000 RPM.

*(Not for use in high speed bearings)*

TYPICAL TEST	ASTM METHOD	LA 148
NLGI Grade		2
Type		Lithium Stearate
Appearance		Green/Fleck/Tacky
Penetration, worked @ 25°C, after 60 strokes	D.217	275 - 285
Mechanical Stability, 10,000 strokes, % change	D.217	-1.0
Dropping Point, °C	D.2265	289 °
Water washout at 80°C, % lost	D.1264	<2.0
Evaporation Loss, % @ 175°C	D.972	3.9 (+/-)
Bomb Oxidation, psi drop, 500 hours +	D.942	4.0
Copper Corrosion Test	D.4048	1B
Timken OK Load, Kg	D.2509	28
4-Ball EP, Weld, Kg/f LWI, Kg/f	D.2596 D.2596	500 min 60
4-Ball Wear Scar, mm	D.2266	0.45
Roll Stability, 50% water, % change in penetration	D.1831	2.3
Rust Test	D.1743	Pass
Temperature Range – Direct Thermal Heat	D.128	-10°C to 260°C (+/-)
Oil Separation, % loss	D.1742	0.1
Base Oil, cSt @ 40°C cSt @ 100°C	D.445 D.445	230 24