

# OIL TECH

*The Lubrication Specialists*

## TECHNICAL DATA SHEET

### **G PLEX LX GREASE**

Premium Automotive Industrial and Marine Multi-Purpose Grease  
Operates over a Wide Temperature Range  
Long Life and Extreme Pressure Properties  
Satisfies a Wide Range of Bearing Applications.

**G PLEX LX** is a superior quality multi-purpose grease, suitable for lubricating a wide range of plain or anti-friction bearings, gears and couplings in both automotive industrial and marine applications.

**G PLEX LX** combines good high and low temperature performance with resistance to mechanical breakdown, resulting in a lubricant suitable for general applications. The extreme pressure and anti-wear properties enable the grease to serve under conditions of high loading or shock loading. The load carrying additives contain no lead or other heavy metals.

**G PLEX LX** exhibits excellent oxidation stability combined with good water resistance and rust protection. The product is available as an NLGI Grade 2.5 for hand packing or application by grease gun. It is not suitable for use in central lubrication systems.

### **APPLICATION**

**G PLEX LX** is first choice for all automotive applications, including trucks, buses, agricultural and construction equipment. It is ideally suited to exposed marine applications. The high thermal stability of the grease enables it to perform efficiently over extended periods. It is also an ideal lubricant for ball joints, which demand such properties as minimum wear, minimum torque and protection from rust.

The versatility of **G PLEX LX** makes it a practical choice for rationalising industrial greases. It can be used in all types of machinery where a high quality, multi-purpose, water resistant EP grease is applicable. Such applications include bearings of all kinds, couplings and gears and linkages of all types.

**G PLEX LX** may be used in electric motors of the National Electric Manufacturers' Association (NEMA) Insulation Class A and B. These classes define maximum operating temperatures of the motors.

## G PLEX LX (Cont.)

### PERFORMANCE

Simplifies inventory since the one product can be used for all automotive and many industrial grease application points.

Increases bearing and ball joint life by ensuring low wear rates under severe service conditions. Good oxidation stability provides long service life, especially where extended relubrication intervals are followed.

Effectively lubricates and protects even under overload or shock load conditions.

Resists water washout to provide satisfactory lubrication under the most adverse conditions.

### PERFORMANCE CHARACTERISTICS

NLGI Service Category GC-LB

### TYPICAL INSPECTIONS

NLGI Grade	2	
Thickener	Lithium-Complex	
Base Oil Viscosity cSt at 40 °C	ASTM D445	185
cSt at 100 °C		17
Colour	Blue	
Dropping Point °C	ASTM D2265	315
Oil Separation 24hr @ 25°C	ASTM D1742	Nil
Rust Test	ASTM D1743	“No Rust” Rating
Penetration mm/10 Worked 60 strokes	ASTM D217	285
Timken OK Load, kg	ASTM D2509	20
Four Ball EP Test Weld Load kg	ASTM D2596	260
Operating Temperature °C	-30 to 200	
FourBall Wear Test 40kg, 1hr 1200rpm scar mm	ASTM D2266	0.40
Water Washout % @ 80°C	ASTM D1264	4
Fretting Wear mg	ATSM D4170	5
Rust Prevention, ASTM rating	ASTM D1743	1
Rubber swell, 70hr @ 100°C Vol. Change	GM method	+12
Roll Stability % penetration change	ASTM D1831	+10