

# OIL TECH

*The Lubrication Specialists*

## TECHNICAL DATA SHEET

### G PLEX 2000M GREASE

#### PRODUCT DESCRIPTION

**G Plex 2000M** is a premium, high temperature, high melting point, lithium complex NLGI 2 grease that has been designed to meet the demands of the most hostile grease applications and conditions. It is fortified with a combination of Molybdenum Disulphide, Graphite and other performance additive to provide extra protection against wear and tear.

**G Plex 2000M** formulation features include components that provide extreme pressure (EP) and anti-wear (AW) protection, tackiness and adhesiveness agents that allow the grease to stay put under high water pressure conditions. In addition to the EP, AW and exceptional water resistance properties it also provides a high level of oxidation, rust and corrosion protection.

**G Plex 2000M** advanced component technology that will not plate out, forming an adhering film on metallic surfaces, reducing the coefficient of friction and capable of effective lubrication under boundary lubrication conditions, ensuring outstanding service in the most demanding applications, particularly for expensive and key equipment.

It will not breakdown under high mechanical stress and in storage it will not alter consistency or release oil.

#### APPLICATION

**G Plex 2000M** grease is recommended for use in most types of automotive and industrial applications including heavy duty service where high temperatures, high loads and water spray or ingress are encountered. It is suitable for rolling element bearings plain bearings, chassis parts, gear, couplings and as a rod thread grease. Because of its outstanding corrosion and water resistant properties it is particularly suitable where water is present such as steel mills, underground tunnelling or mining and ore crushing plants.

The recommended operating temperature range is from - 10C to 170C. **G Plex 2000M** can endure higher temperature for short periods or if the lubrication frequency is increased.

#### PERFORMANCE

- Excellent resistance to water spray & washout
- Superior protection against rust and corrosion
- Excellent mechanical stability
- Reduced wear under high or shock loads
- High temperature capability

## G PLEX 2000M GREASE

### PERFORMANCE (Cont)

- Outstanding storage stability
- Good pump ability in centralised systems

### TYPICAL INSPECTIONS

NLGI Grade		2
Thickener		Lithium-Complex
Base Oil Viscosity cSt at 40°C	ASTM D445	220
Solid Lubricant		Molybdenum Disulphide
Colour		Black
Dropping Point°C	ASTM D2265	275
Oil Separation 24hr @ 25°C	ASTM D1742	Nil
Rust Test	ASTM D1743	“No Rust” Rating
Penetration mm/10 Worked 60 strokes	ASTM D217	280
Timken OK Load, kg	ASTM D2509	20
Four Ball EP Test Weld Load kg	ASTM D2596	400
Operating Temperature °C		-10 to 170
Four Ball Wear Test 40kg, 1hr 1200rpm scar mm	ASTM D2266	0.45
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. Charge	GM method	+12
Roll Stability % penetration change	ASTM D1831	+10