



TEXACO STARPLEX[®] MOLY

1, 2

CUSTOMER BENEFITS

Texaco Starplex Moly greases deliver value through:

- **Good water resistance** — Seals out water, reducing rust and corrosion.
- **Extreme pressure protection**
- **Protection against shock loading** — extending vehicle life.
- **Heat resistance** with excellent high temperature properties.
- **Good low temperature pumpability** — Better low temperature performance means better handling in the container and grease-dispensing equipment.
- **Molybdenum disulfide** for additional boundary lubrication protection.

FEATURES

Texaco Starplex Moly greases are multipurpose, water resistant, extreme pressure greases intended primarily for use in construction, mining and agricultural applications.

They are manufactured using selected highly refined high viscosity index base oils, a lithium complex soap, a 1.5% molybdenum disulfide ("moly") antiwear agent, plus oxidation and rust inhibitors. They are dark gray in color and tacky in texture.

Texaco Starplex Moly greases are available in two grades:

- **NLGI 1** for better pumpability at low ambient temperatures
- **NLGI 2** for normal ambient temperatures

FUNCTIONS

Texaco Starplex Moly greases are designed especially for use in construction, mining and agricultural applications. They can also provide longer mileage life in king pins, spring shackles, and steering system bearings on over-the-road trucks and other off-highway equipment.

Texaco Starplex Moly greases strongly resist being washed out of bearings. They are stable and retain their consistency under adverse service conditions, and protect parts over long service intervals.

Texaco Starplex Moly greases have outstanding film strength and adhesive properties which result in particularly effective protection in shock load and extreme pressure service. The antiwear properties provided by the lithium complex thickener are enhanced by the molybdenum disulfide. They may also be used in automotive wheel bearing and chassis lubrication.

APPLICATIONS

Texaco Starplex Moly greases are recommended as multipurpose products for the lubrication of both over-the-road and off-highway trucks, tractors, and heavy duty equipment.

They give excellent performance in all automotive equipment in severe service.

They provide top protection to fifth wheels, king pins, wheel bearings, steering system bearings, and all chassis points including ball joints and universal joints.

They also perform well in most heavy-duty industrial applications for general lubrication and for the lubrication of journal bearings, and low and moderate speed antifriction bearings.

They are particularly effective in applications where a high dropping point and high EP are desirable.

They perform well under high temperature, wet, and dusty operating conditions.

TYPICAL TEST DATA

NLGI Grade	1	2
CPS Number	221944	221938
MSDS Number	8804	8804
Operating Temperature, °C(°F)		
Minimum ¹	-34(-30)	-29(-20)
Maximum ²	177(350)	177(350)
Penetration, at 25°C(77°F)		
Unworked	301	264
Worked	315	274
Dropping Point, °C(°F)	260(500)	270(518)
Four Ball		
Weld Point, kg	315	315
Wear Scar Diameter, mm	0.5	0.5
Timken OK Load, lb	40	40
Thickener, %	9	12
Type	Lithium Complex	
Viscosity, Kinematic*		
cSt at 40°C	320	320
cSt at 100°C	28.5	32.0
Viscosity, Saybolt*		
SUS at 100°F	1681	1681
SUS at 210°F	144	144
Viscosity Index*	107	117
Molybdenum Disulfide, %	1.5	1.5
Texture	Tacky	Tacky
Color	Dark Gray	Dark Gray

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.

- 1 Minimum operating temperature is the lowest temperature at which a grease, already in place, could be expected to provide lubrication. Most greases cannot be pumped at these minimum temperatures.
 - 2 Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.
- * Determined on mineral oil extracted by vacuum filtration.