



TEXACO STARTAK™ RED EP

1, 2

CUSTOMER BENEFITS

Texaco Startak Red EP greases deliver value through:

- **Excellent water resistance.**
- **Excellent rust and corrosion protection.**
- **Strong protection against shock loading.**
- **High load-carrying capacity.**
- **Severe service lubrication.**

FEATURES

Texaco Startak Red EP greases are water resistant, extreme pressure, heavy duty chassis, wheel bearing and general purpose lubricating greases. They are manufactured using highly refined, select high viscosity index base oils, and a lithium soap. They provide a thick, shock-absorbing oil film. They are red in color and smooth and tacky in texture. Texaco Startak Red EP greases are available in two grades:

- **NLGI 1** for better pumpability at lower ambient temperatures
- **NLGI 2** for use in normal ambient temperatures

APPLICATIONS

Texaco Startak Red EP greases are recommended for use in the lubrication of trucks, tractors and other heavy equipment as well as many industrial applications experiencing severe service (except where very high temperatures are encountered). These greases are extremely sticky and very resistant to water wash out in equipment that is pressure washed regularly.

Typical applications include mining and construction equipment, marine and oil field applications, paper and forest products equipment and quarrying activities, especially when operating in wet, muddy or dusty conditions.

TYPICAL TEST DATA

NLGI Grade	1	2
Product Number	222674	222675
MSDS Number	12184	12184
Operating Temperature, °C(°F) Minimum ^a Maximum ^b	-26(-15) 138(280)	-26(-15) 143(290)
Penetration (Worked 60 Strokes) at 25°C (77°F)	325	280
Dropping Point, °C(°F)	172(342)	190(374)
Four Ball Weld Point, kg	315	315
Four Ball Wear Scar, mm	0.45	0.45
Timken OK Load, lb	70	70
Water Washout, wt%	10	7
Water Spray-off, wt%	40	25
Lincoln Ventmeter, psig at 30 s, at 75°F 30°F 0°F°	100 400 1750	280 600 1800
Thickener, % Type	7.2 Lithium	8.6 Lithium
ISO Viscosity Grade, Base Oil Equivalent	460	460
Viscosity, Kinematic cSt at 40°C cSt at 100°C	400 24.3	400 24.3
Viscosity, Saybolt ^c SUS at 100°F SUS at 210°F	2160 121	2160 121
Viscosity Index ^c	76	76
Flash Point, °C(°F)	274(525)	274(525)
Oil Separation, °C(°F) ^c	4	2
Texture	Stringy	Stringy
Color	Red	Red

- a. 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.
- b. Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.
- c. Determined on mineral oil extracted by vacuum filtration.

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