



Product Application Sheet

76 Open Gear Compound

GREASE BASED OPEN GEAR LUBRICANT

76 Open Gear Compound is a tacky, grease based open gear lubricant fortified with graphite and other solid extreme pressure and antiwear additives. It is recommended for applications where the use of an asphaltic-type open gear lubricant is not desirable or feasible. Examples of such applications are gear drives with small diameters or low loads, or those where a centralized spray system of application is not feasible. This product is packaged in caulking tubes for ease of application. It may also be applied by hand, brush, or paddle.

TYPICAL APPLICATIONS

Open and semi-enclosed gears and pinions where asphaltic-type open gear lubricants are not desirable or feasible.

Open gear drives on construction equipment and power shovel dipper sticks, exposed gears on drum debarking equipment, and steel mill slipper drives.

Pulleys, hoists, cables, sliding surfaces, and marine wire ropes.

OUTSTANDING FEATURES

- ◆ Excellent adhesion to metal surfaces
- ◆ Tenacious film will not harden or become brittle even at low temperatures
- ◆ Extreme pressure and antiwear properties for protection under heavy or shock loads
- ◆ Good resistance to water washout and corrosion
- ◆ Easy application; may be applied by caulking gun, hand, brush, or paddle

DESCRIPTION

76 Open Gear Compound is formulated with a highly refined, high viscosity base oil thickened with lithium 12-hydroxystearate soap. It is fortified with graphite and other solid extreme pressure and antiwear additives. These solid additives are especially helpful in boundary lubrication conditions. The solid film acts as a barrier in preventing metal-to-metal contact of gear teeth surfaces.

76 Open Gear Compound forms a tenacious, non-hardening film that will not become brittle even at low temperatures, unlike conventional asphaltic-type open gear lubricants. In addition, it is adhesive and will not drip on gear shields like traditional asphaltic-type open gear lubricants, thus assuring a cleaner operation.

TYPICAL INSPECTION TESTS:

Grade, NLGI	2
Product Code	52880
Density, lbs/gal	7.74
Color	Black
Dropping Point, °C (°F)	188 (370)
Penetration @ 25°C (77°F), ASTM Worked	280
Texture	Tacky
Thickener, Lithium, wt %	6.25
Graphite, wt %	15
Timken OK Load, lb	45
Base Oil Data	
Viscosity	
cSt @ 40°C	1,154
cSt @ 100°C	66
SUS @ 100°F	6,213
SUS @ 210°F	320
Viscosity Index	116
Flash Point, COC, °C (°F)	246 (475)