



Product Application Sheet

76 Gearshield

ASPHALTIC-TYPE OPEN GEAR LUBRICANT

76 Gearshield is a black, adhesive, asphaltic based lubricant used primarily for lubrication and cushioning of open and semi-enclosed gears. It is formulated with selected additives that provide extreme pressure and antiwear properties for extended gear life where heavy tooth loads, high peak loads, or intermittent shock loads exist. It adheres well to metal surfaces and will not harden or flake off even at low temperatures. This product is not cut back with solvent as is 76 Gearite HD CF.

TYPICAL APPLICATIONS

Open and semi-enclosed gears found in ball and rod mills, cement mills, drying kilns, papermaking machinery, presses, power shovels, and similar equipment.

- Bevel gears
- Helical gears
- Herringbone gears
- Rack and pinion gears
- Spur gears

Industrial gear sets where heavy tooth loads, high peak loads, or intermittent shock loads exist.

Guides and sliding surfaces with large clearances where asphaltic-type lubricants are desired.

Cables on draglines, clamshells, shovels, hoists, and cable-operated equipment where surface protection is needed and cable safety clamp devices are **not** used.

OUTSTANDING FEATURES

- ◆ Excellent adhesion to metal surfaces
- ◆ Tenacious film provides lubrication and cushioning of gear teeth
- ◆ Extreme pressure and antiwear properties for protection under heavy or shock loads
- ◆ Resistance to water washout and corrosion
- ◆ Easy application; may be applied by pressure gun, brush, swab, drip cup, or caulking gun
- ◆ Does not need heating prior to application

DESCRIPTION

76 Gearshield is formulated with high quality base oils, resins, and asphalt. Special additives impart extreme pressure and antiwear properties for extended gear life. This product forms a heavy, tenacious film that provides lubrication and cushioning of the gear teeth. Its adhesiveness is enhanced by resins.

76 Gearshield is non-corrosive to steel or bronze. Its adhesive nature provides resistance to water washout and corrosion. This product is not cut back with solvent.

TYPICAL INSPECTION TESTS:

Grade	LIGHT	HEAVY
Product Code	52820	52840
Specific Gravity, ASTM D1298	0.967	0.983
Color, Visual	Black	Black
Flash Point, COC, °C (°F)	210 (410)	246 (475)
Pour Point, °C (°F)	2 (36)	12 (54)
Timken OK Load, lb	30	30
Viscosity		
cSt @ 40°C	2,950	7,170
cSt @ 100°C	52	113
SUS @ 100°F	11,000	39,600
SUS @ 210°F	250	500