



Product Application Sheet

76 Gearite HD CF

CHLORINE-FREE, SOLVENT CUTBACK OPEN GEAR LUBRICANT

76 Gearite HD CF is a viscous, adhesive, asphaltic-based lubricant cut back with a volatile non-chlorinated solvent for ease of application. It is used primarily for lubrication and cushioning of open and semi-enclosed gears, and for some cable-actuated equipment. It is formulated with ashless extreme pressure additives to protect heavily loaded gears from scoring and galling. It adheres well to metal surfaces and will not harden or flake off even at low temperatures. All three grades have low pour points that allow their use at low temperatures.

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

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

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

CAUTION: *This product contains solvent. Proper ventilation and fire safety precautions must be taken during application.*

RECOMMENDED FOR:

AGMA 251.02 Standard for Lubrication of Industrial Open Gearing
AGMA 15R (Gearite HD CF 4800)
Falk Open Gears specifying an AGMA 14R or AGMA 15R lubricant

OUTSTANDING FEATURES

- Excellent adhesion to metal surfaces
- ◆ Tenacious film provides lubrication and cushioning of gear teeth
- ◆ Extreme pressure properties for protection under heavy or shock loads
- Thixotropic surface film will not harden or become brittle
- ◆ Resistance to water washout and corrosion
- ◆ Low pour point for use at low temperatures⁽¹⁾
- ◆ Non-chlorinated solvent
- ◆ Easy application (may be applied by brush, swab, spray gun, or by automatic lubrication systems)

⁽¹⁾ **Note:** *The 4800 grade may require extra heat for pumping at ambient temperatures below 12°C (55°F).*

DESCRIPTION

76 Gearite HD CF is formulated with high quality residual base stocks, resins, asphalt, and extreme pressure additives. It is cut back with a volatile petroleum solvent for easy application. The solvent evaporates after application, leaving a heavy, tenacious film that provides lubrication and cushioning of the gear teeth. A thixotropic surface film is formed that yields under pressure and resets or heals when the pressure is removed. This film is tack-free to keep dust and grit from adhering to it.

76 Gearite HD CF is designed to provide superior extreme pressure properties along with a low pour point and non-hardening characteristics. Its adhesive nature provides resistance to water washout and corrosion. This product promotes greater gear protection, ease of application under adverse conditions, and trouble-free maintenance of spray equipment, gear guards, and dispensing equipment.

TYPICAL INSPECTION TESTS:

Grade	600	1750	4800
Product Code	52710	52720	52730
Specific Gravity, ASTM D1298	0.890	1.031	1.031
Color, Visual	Black	Black	Black
Flash Point, COC, °C (°F)	102 (215)	115 (240)	124 (255)
Pour Point, °C (°F)	-18 (0)	-12 (10)	12 (55)
Timken OK Load, lb	45	45	45
Viscosity, with solvent			
cSt @ 40°C	210	600	1,870
SUS @ 100°F	1,000	2,800	11,700
Viscosity, without solvent			
cSt @ 100°C	129	378	1,029
SUS @ 210°F	600	1,750	4,800