



LUBRICANTS

Multiplex® FS 460

Phillips 66® Multiplex FS 460 is a premium quality, synthetic, extreme pressure (EP) lithium complex grease specifically developed to provide outstanding protection for industrial, mining and mobile off-road equipment operating in wet conditions and extreme temperatures or over a wide temperature range.

Multiplex FS 460 is manufactured with an ISO VG 460 synthetic polyalphaolefin (PAO) base oil and a lithium complex soap thickener. It is fortified with EP and antiwear additives plus rust and oxidation inhibitors to provide excellent wear protection, corrosion resistance and long service life. It has outstanding thermal stability at high temperatures and outstanding pumpability at low temperatures for use over a wide temperature range.

Applications

- Heavily loaded plain and rolling element bearings in industrial, mining, marine and mobile off-highway equipment

Features/Benefits

- Outstanding oxidation resistance and thermal stability at high temperatures
- Outstanding pumpability at low temperatures
- Excellent wear protection for longer equipment life
- High load carrying capacity
- Protects against rust and corrosion
- Good resistance to water washout

**Premium
Synthetic
Construction and
Mining
Extreme Pressure
Lithium Complex
Grease**

KEEPING THE
WORLD
RUNNING
SMOOTHLY. 



Multiplex® FS 460

Typical Properties		
NLGI Grade		1.5
Thickener Type		Lithium Complex
Color		Purple
Texture		Smooth
Density, lbs/gal		7.41
Dropping Point, °C (°F)	ASTM D2265	>260 (>500)
Viscosity, Kinematic	ASTM D445	
Viscosity @ 40°C, cSt		460
Viscosity @ 100°C, cSt		48.3
Penetration, Worked (60 strokes)	ASTM D217	295-310
Oxidation Stability, 100 Hours, psi (kPa)	ASTM D942	2 (13.8)
Four-Ball Wear Scar, mm	ASTM D2266	0.42
Four-Ball EP, Weld Load, Kgf	ASTM D2596	400
Timken OK Load, lbs	ASTM D2509	55
Corrosion Prevention	ASTM D1743	Pass
Copper Corrosion	ASTM D4048	1a

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/SDS>.