



## Multiplex® FS 220

Phillips 66® Multiplex FS 220 is a premium quality, synthetic, extreme pressure (EP), lithium complex grease specifically developed to provide outstanding protection for industrial and automotive equipment operating at extreme temperatures or over a wide temperature range.

Multiplex FS 220 is manufactured with an ISO VG 220 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.

Multiplex FS 220 is NLGI GC-LB certified for use as a multipurpose automotive wheel bearing and chassis lubricant.

### Applications

- Chassis parts and wheel bearings on passenger cars, trucks and other mobile equipment
- Moderately to 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
- Good pumpability at low temperatures
- Excellent wear protection for longer equipment life
- High load-carrying capacity
- Protects against rust and corrosion
- Outstanding resistance to water washout
- NLGI GC-LB certified

**Premium  
Synthetic  
Multipurpose  
Extreme Pressure  
Lithium Complex  
Grease**

**KEEPING THE  
WORLD  
RUNNING  
SMOOTHLY.**





### Multiplex® FS 220

| Typical Properties                        |            |                 |
|---|------------|-----------------|
| NLGI Grade                                |            | <b>2</b>        |
| Thickener Type                            |            | Lithium Complex |
| Color                                     |            | Purple          |
| Texture                                   |            | Smooth          |
| Density, lbs/gal                          |            | 7.42            |
| Dropping Point, °C (°F)                   | ASTM D2265 | >260 (>500)     |
| Viscosity, Kinematic                      | ASTM D445  |                 |
| Viscosity @ 40°C, cSt                     |            | 222             |
| Viscosity @ 100°C, cSt                    |            | 25.3            |
| Penetration, Worked (60 strokes)          | ASTM D217  | 265-295         |
| Oxidation Stability, 100 Hours, psi (kPa) | ASTM D942  | 3 (20.7)        |
| Four-Ball Wear Scar, mm                   | ASTM D2266 | 0.45            |
| 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              |
| Water Wash-out, wt%                       | ASTM D1264 | 2.2             |

### 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>.