



LPL 8000 Series

The LPL-G 8000 Series has been formulated from PAO synthetic fluids for enclosed gear systems requiring ashless antioxidants, antiwear and mild EP additive systems. These oils have been designed to provide satisfactory lubrication under hydrodynamic and mild boundary lubrication conditions.

Approvals include: US Steel 224, Cincinnati Milacron and David Brown

Applications

- Gear systems where moderate loads and high temperatures are expected
- Worm gears containing soft metals such as bronze, brass and copper
- Vacuum pumps, compressors
- Multipurpose Oil

Characteristics

- 100% Synthetic Lubricants
- Wide Temperature Range
- Low Pour Points
- High Flash Points
- Increased Thermal & Oxidative Stability
- Compatible To Some Seals, Hoses, Gaskets And Paint

Typical Properties

| LPL-G 8000 Series | ASTM Test | LPL 8032 | LPL 8046 | LPL 8068 | LPL 8100 | LPL 8150 | LPL 8220 | LPL 8320 | LPL 8460 | LPL 8680 | LPL 8900 |
|-------------------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ISO Viscosity Grade | D2422 | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 |
| Viscosity, cSt. | D445 40 ^o C | 32.9 | 46.1 | 68.2 | 104 | 163 | 222 | 312 | 469 | 671 | 943 |
| | D445 100 ^o C | 6.2 | 7.9 | 10.2 | 13.4 | 17.9 | 22.2 | 28.5 | 38.5 | 48.4 | 62.2 |
| Viscosity Index | D2270 | 140 | 141 | 135 | 154 | 149 | 149 | 153 | 150 | 151 | 172 |
| Pour Point | D97 ^o C | -48 | -48 | -48 | -45 | -45 | -35 | -33 | -27 | -25 | -23 |
| | D97 ^o F | -55 | -55 | -55 | -49 | -49 | -31 | -27 | -17 | -13 | -9 |
| Flash Point | D92 ^o C | 240 | 240 | 238 | 260 | 260 | 262 | 270 | 270 | 270 | 270 |
| | D92 ^o F | 464 | 464 | 460 | 500 | 500 | 504 | 518 | 518 | 518 | 518 |
| Rust (Distilled H ² O) | D665A | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass |
| Copper Corrosion 212 ^o F | D130 | 1B | 1B | 1B | 1B | 1B | 1B | 1B | 1B | 1B | 1B |
| FZG EP Test | D5182 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Evaporation 210 ^o F | D972 | <1% | <1% | <1% | <1% | <1% | <1% | <1% | <1% | <1% | <1% |