

SAE 50-90 Premium Gearcase Lubricant

Product Information

PM104 Synchro-GearLife 50-90 GL-3 is a unique formulation, developed from Group II and PAO base stocks, that provides the platform for a transmission and gear lubricant with outstanding thermal and oxidation stability. 104 is formulated with selected additives and offers excellent durability across a wide range of equipment in both on- and off-highway applications. PM104 Synchro-GearLife 50-90 provides superior performance for synchromesh or straight-cut gear designs in trucks, coaches, and 4WDs, and in agricultural gear cases where high temperatures and demanding conditions exist, requiring API CD SAE 50 or GL-1 90 to GL-3 gear oils. These include Eaton Fuller (Road Ranger), Dana-Spicer, Mitsubishi and Volvo. This formulation inherently provides high-quality transmission fluid with a long service life and oxidation stability.

PM104 Synchro-GearLife 50-90 is shear-stable and has high load-carrying ability to protect heavily loaded gears and bearings, making it particularly suitable for extended drain intervals. PM104 Synchro-GearLife 50-90 demonstrates outstanding performance in straight-cut gear applications.

PM104 Synchro-GearLife 50-90 viscosity description indicates the lubricant's capacity to meet the requirements where either an SAE 50 engine oil or an SAE 90 gear oil is specified.

Benefits: * Outstanding wear protection of critical components. * High resistance to oxidation, sludge, and varnish.
* Premium lubrication for extended component life. * Wide application range reduces stock inventory.

Product Features: ** Superior base oil technology with maximum resistance to thermal breakdown** High resistance to fluid oxidation in demanding operating conditions. **Superior for heavier loads than engine oil. ** Safe for yellow metals.

Typical Properties

SAE Viscosity	50
ISO Viscosity	220
SAE Gear Viscosity	90
Kinematic Viscosity	
Viscosity @ 40°C	198 cSt
Viscosity @ 100°C	20.93 cSt
Colour	Bright Red
Viscosity Index	125
Density @ 15°C kg/L	0.876

Meets and or Exceeds Service Classifications

- API GL-3
- SAE Grade 50
- Caterpillar T-O2
- Eaton Fuller
- Road Ranger SAE 50
- Dana-Spicer SAE 50

Benefits

- Maximise Power Output
- Reduces Friction
- Shear Stable
- Reduces Operating Temperature
- Prolonged Service Life
- High Resistance to Oxidation
- Reduces Power Loss
- Safe for Copper Alloys

Available in 1000L, 200L, 20L, 5L, 4 x 5L Containers

Issued July 2026

PM104 Synchro-GearLife 50-90

Moderate to Severe Duty Gear Performance

Why PM Lubrication?

- ❖ Premium Quality
- ❖ XPR Protection Reserve
- ❖ Cost Effective Lubrication
- ❖ On-Site Monitoring will maximise equipment life
- ❖ Knife Edge Filtration
- ❖ Our Predictive & Preventative Maintenance Programme is GUARANTEED to save 15% of your Total Operating Costs



PM Lubrication
4/105 Archibald St, Paget
Queensland 4740 Australia
Tel: 07 4998 5851 Mob: 0419 771 825
www.pmlubrication.com.au hello@pmlubrication.com.au

