GEAR OILS

Gear Guard 90

Manual transmission specialist

SAE 90 | API GL-4

PRODUCT DESCRIPTION

Gear Guard 90 is a GL-4 grade SAE 90 gear oil designed for manual transmissions and synchromesh gearboxes requiring yellow-metal compatibility.

APPLICATIONS

- Manual Transmissions
- Synchromesh Gearboxes
- Light Commercial

SPECIFICATIONS

- API GL-4

PACK SIZES

500ml | 1L | 5L | 10L | 20L | 26L | 50L | 210L

FEATURES & BENEFITS

- GL-4 additive level protects gears while staying compatible with brass synchronisers.
- Good load-carrying capacity for manual transmissions and transfer cases.
- Anti-foam and anti-rust protection.
- Thermal stability for long service life.

TYPICAL PROPERTIES

Property	Test Method	Unit	Typical Value
SAE Viscosity Grade	SAE J306	—	90
Density @ 15 °C	ASTM D4052	g/cm³	0.898
Kinematic Viscosity @ 40 °C	ASTM D445	cSt	198
Kinematic Viscosity @ 100 °C	ASTM D445	cSt	17.8
Viscosity Index	ASTM D2270	—	96
Flash Point (COC)	ASTM D92	°C	216
Pour Point	ASTM D97	°C	-12
Copper Strip Corrosion (3 h @ 121 °C)	ASTM D130	Rating	1a

RECOMMENDATIONS

- Use the viscosity grade and API GL level recommended in the vehicle or equipment manual.
- Drain completely and flush if changing from a different gear oil type.
- Check the level at every service and top up with the same grade.

HEALTH, SAFETY & STORAGE

Store sealed in a cool, dry, covered place away from sunlight and ignition sources. Avoid prolonged skin contact. Dispose of used product and containers only through an authorised collector — never into drains or soil. See the MSDS for full health and safety information.

The typical values above are obtained under normal production conditions and do not constitute a specification. Minor variations that do not affect product performance are to be expected. Motoforce Lubricants reserves the right to modify products and this information without notice. For the latest version, visit motoforcelub.com or contact us.