


# MANNOL Universal Plus
## 8119

All-season mineral transmission oil for gearboxes. Suitable for all types of gearboxes with and without synchronisers (including heavy duty ones).

Product properties:

- A specially selected high-quality mineral base with the necessary viscosity over a wide temperature range, combined with the additive package of the latest generation, provides excellent anti-friction properties, which ensures significant fuel economy and very smooth gear shifting;

- Thanks to its unique composition provides excellent anti-wear and anti-scuffing properties, which significantly extends the life of the equipment under all, even the most extreme, operating conditions in a wide range of ambient temperatures. It has a high oil film resistance to increased pressures;

- Provides good low-temperature properties for easy starting, reliable lubrication as well as easy and accurate gear shifting at low ambient temperatures (down to -30 °C) and under all operating conditions;

- Possesses high thermo-oxidative stability and strong resistance to high-temperature thermal degradation, which allows to extend the oil change interval and reduce maintenance costs.

- Effectively protects synchroniser rings from varnish and clogging;

- Protects metal separate parts from corrosion;

- Provides excellent compatibility with seal materials, preventing swelling, hardening and shrinkage, thus reducing spare parts costs and preventing leaks;

- Reduces noise.

Recommended for use in gearboxes of passenger cars and heavy-duty gearboxes of on-road (long-haul tractors, buses, etc.), off-road (construction, mining, agricultural) and special-purpose machinery of European, American and Asian manufacturers, where GL-4 performance level is required. Observe the manufacturer’s instructions in the operating manual.

**Specifications**
API GL-4
MAN 341 Typ E1
MAN 341 Typ Z2
MIL L 2105
ZF TE-ML 16A
ZF TE-ML 17A
ZF TE-ML 19A

## PACKAGING

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|---|---|---|---|
| | MN8119-4 | | |
| | MN8119-IBC | | |
| | MN8119-DR | | |
| | MN8119-20 | | |
| | MN8119-5 | | |
| | MN8119-1 | | |