



## 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

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