

MANNOL®

MANUAL TRANSMISSION GEAR OIL

Extra Gear Oil

Full Synthetic

SAE 75W-90

API GL-4

API GL-5 LS

LIMITED SLIP



1 L · 4 L · 20 L

DESCRIPTION

A universal last-generation energy-conserving all-season synthetic gear oil for all types of manual transmissions.

It is recommended for use in all types of synchronized manual transmissions (including heavy-duty), in differentials (including LS with excessive friction), steering equipment and other transmission parts where an excessive pressure and impact load is encountered and in which the use of standards GL-4 and/or GL-5 is prescribed.

PRODUCT PROPERTIES

- 01** The unique synthetic base of the highest quality with ideal viscosity in a wide range of temperatures in combination with a latest-generation additive package ensures superior antifriction properties thus ensuring a significant fuel economy and smooth transmission shift;
- 02** Due to its unique composition, it ensures excellent antiwear and anti-scuffing properties that significantly extend the expected life of the technical equipment in all, even the most extreme, modes of operation in a wide range of ambient temperatures. The oil film has an enhanced resistance to increased pressure. It prevents differentials from jamming and reduces piston wear;
- 03** It has superior low-temperature properties that ensure an easy starting, reliable lubrication, as well as an easy and precise transmission shift at any ambient temperatures (up to -40 °C) and in any operating conditions;
- 04** It has an enhanced thermal-oxidative stability and resistance to the thermal degradation thus allowing increasing the time between oil changes and reducing equipment maintenance costs – up to 800 thousand km/3 years (under operation in highway conditions), and in manual transmissions up to 97,500 shift cycles;
- 05** It effectively protects from lacquering and synchronizer ring clogging;
- 06** It protects metal parts from corrosion;
- 07** It is compatible with sealing materials, prevents them from swelling, hardening and shrinking that allows reducing the costs for spare parts.

APPLICATIONS

It is recommended for use in manual transmissions of passenger cars and heavy-load manual transmissions of highway (freight trucks, buses, etc.), off-road (construction, mining, agricultural) and special vehicles produced by European, American and Asian manufacturers in which the required level of service characteristics is GL-4 and/or GL-5.

RECOMMENDATIONS

MACK GO-J

MACK GO-J Plus

MAN 342 Type M1

MAN 342 Type M2

MAN 342 Type M3

SCANIA STO 1:0

* COMPLY WITH THE MANUFACTURER'S INSTRUCTIONS PROVIDED IN THE USER'S MANUAL.

CODES & AVAILABLE PRESENTATIONS

MN8103-1

MANNOL Extra Gear Oil 75W-90 GL-4/GL-5 LS

1 L

MN8103-4

MANNOL Extra Gear Oil 75W-90 GL-4/GL-5 LS

4 L

MN8103-20

MANNOL Extra Gear Oil 75W-90 GL-4/GL-5 LS

20 L

SPECIFICATIONS

SPECIFICATION	VALUE
SAE	75W-90
API	GL-4
API	GL-5 LS (Limited Slip)



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