



G-Box GL-4/GL-5 75W-90



Synthetic oil (PAO)



Drive axles



Mechanical gearboxes



Extended oil drain interval



High stability against oxidation



High viscosity-temperature properties



Excellent low-temperature parameters



High EP properties

G-Box GL-4/GL-5 75W-90 – universal synthetic gear oil, designed for use in gearboxes, transfer cases, power take-off boxes and drive axles reducers requiring the use of both API GL-4 and API GL-5 class of oils. Due to the use of synthetic (polyalphaolefin) base, oil has excellent resistance to oxidation and high fluidity at low temperatures. A special additive package provides excellent anti-wear and anti-seize properties combined with compatibility with non-ferrous metal alloy parts, contributing to smooth operation of transmission units of machinery under high loads and harsh climate conditions.

Application



- Synchronized and unsynchronized gearboxes, transfer cases and power take-off boxes for passenger cars, trucks and off-road vehicles
- Drive axles and wheel reducers for passenger cars, trucks, and off-road vehicles
- Transmissions manufactured by ZF, Eaton, MB, Scania, ArvinMeritor

Advantages

Adaptive technology of **G-Box GL-4/GL-5 75W-90** with the use of synthetic components and a complex of functional additives allows to provide high efficiency and productivity of transmissions of various machineries:

Features	Advantages/potential benefits
Versatility of application	Use of the same oil in different transmission units – stock unification
Excellent stability against oxidation and thermal decomposition	Minimization of deposits on the parts – reduction of machine downtime likelihood
Excellent anti-wear and anti-seize properties	Provides protection of transmission's parts against all types of mechanical damage and wear - maximum unit's mileage between services
Outstanding low-temperature properties	Improved oil fluidity - ensuring a smooth start in harsh climate conditions
Excellent viscosity-temperature characteristics	The required viscosity level over a wide temperature range - oil film stability and easy gear shifting

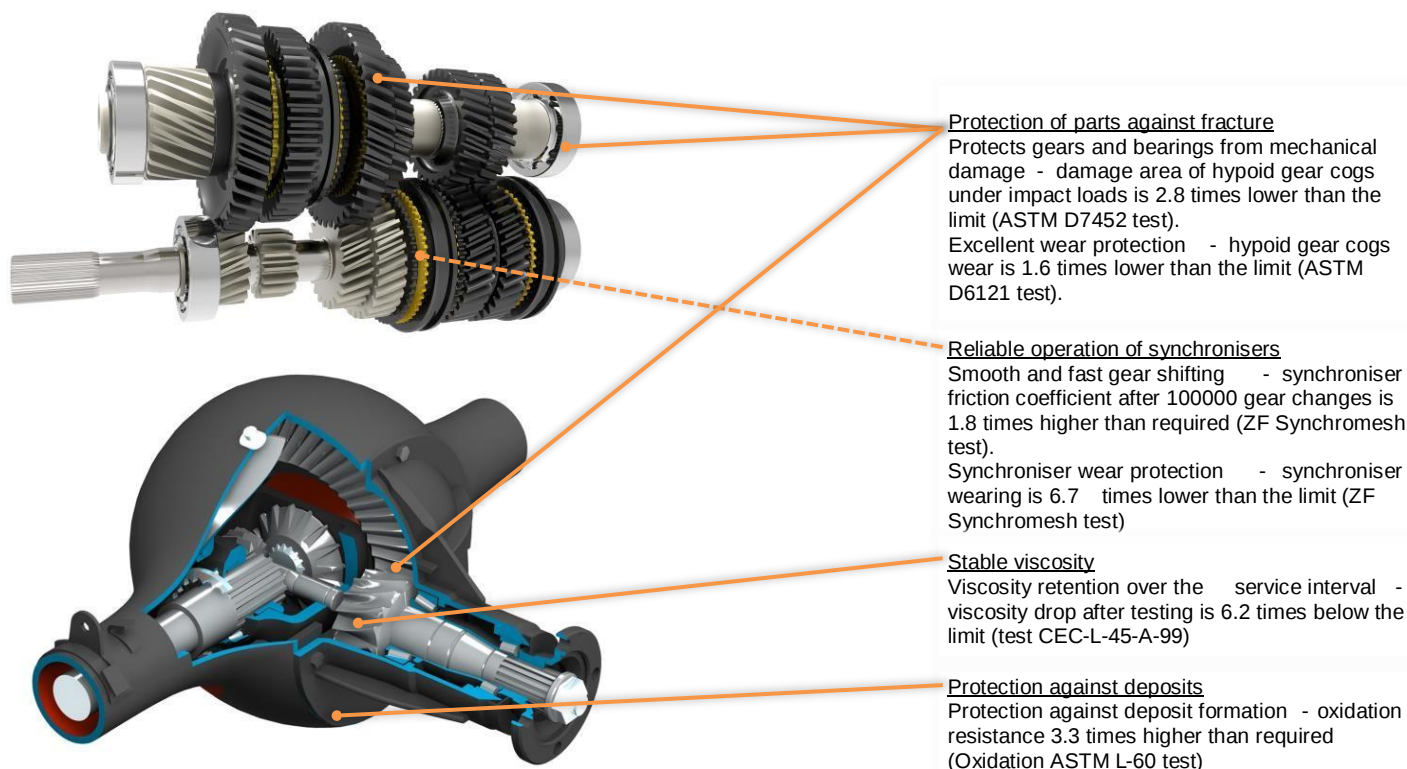
Typical characteristics

Parameters	Value	Method
Kinematic viscosity @ 100°C, mm ² /s	15,7	ASTM D 445
Viscosity index	156	ASTM D 2270
Flash point (COC), °C	218	ASTM D 92
Pour point, °C	-52	ASTM D 97
Brookfield viscosity at -40°C, mPa*s	63 000	ASTM D 2983
Density at 15 °C, kg/m ³	867	ASTM D 4052

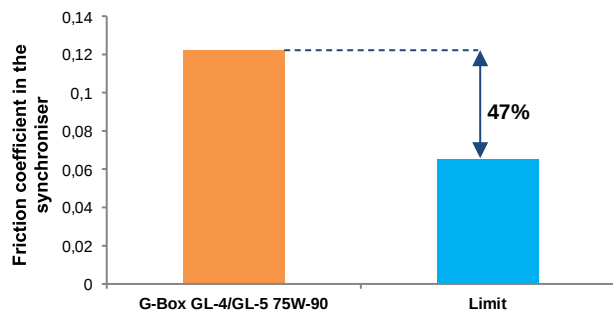
Specifications

- API GL-4, GL-5, MT-1
- ArvinMeritor 076-N
- DTFR 12B140 (MB 235.8)
- MACK GO-J
- MAN 341 Type E3; MAN 341 Type Z2
- MAN 342 Type S1; MAN M 3343 Type S1
- ZF TE-ML 02B, 05A, 12L, 12M, 12N, 16B, 17B, 19C, 21A
- SAE J2360; PRI GL 1057
- Product formulation meets the requirements of the Scania STO 1:0, Scania STO 1:1 G, Scania STO 2:0 A FS specifications

G-Box GL-4/GL-5 75W-90 gear oil exceeds the requirements of the main specifications in accordance with the tests:

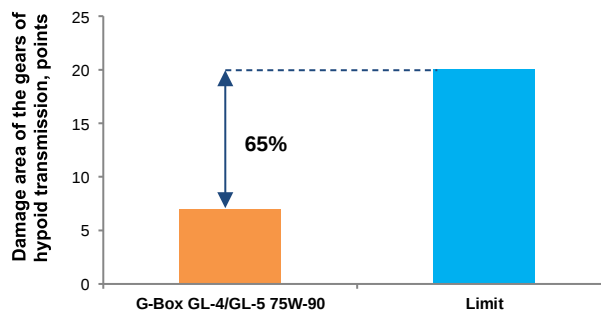


Stable operation of synchronisers*



G-Box GL-4/GL-5 75W-90 provides stable operation of mechanical gearbox synchronizers, maintaining driving comfort and reducing torque pulsations while shifting.

Part's protection against wear and score**



G-Box GL-4/GL-5 75W-90 effectively protects teeth of mechanical gearbox and hypoid gears in a wide range of loads and speeds, reducing the likelihood of downtime.

*ZF Synchromesh test; **ASTM D7452 test

The company's management system is certified in accordance with the international standards

ISO 9001



ISO 14001



ISO 45001

