



G-Box GL-5 75W-90



Synthetic oil



Drive axles



Excellent EP properties



High stability
against oxidation



Excellent low-temperature
parameters

G-Box GL-5 75W-90 - synthetic transmission oil for drive axles gearboxes, transfer cases, power take-off boxes and other units where API GL-5 class of oil application is required. Due to synthetic base component oil have high resistant against oxidation and good low-temperature properties. Modern additives pack provides uninterrupted operation of transmissions units of the machineries under the shock loads in severe climate conditions.

Applications



- Gearboxes of drive axles with hypoid gears of the passenger cars and trucks
- High-loaded transmissions units where API GL-5 level of oil performance is required
- Unsynchronized manual transmissions and manual transmissions with steel synchronizers
- Not recommended to use in the units of transmissions with synchronizers from non-ferrous metals allows

Advantages

G-Box GL-5 75W-90 adaptive technology with usage of synthetic components and complex of functional additives allows to ensure high efficiency and productivity of different machineries transmissions:

Features	Advantages/Potential Benefits
Excellent extreme-pressure characteristics	Gears and bearings protection against pitting and scoring – maximum resource of transmissions units under severe operating conditions
Excellent anti-wear properties	Stable transmissions units operation in wide range of speeds and loads- saving on service maintenance
High stability against oxidation	Minimization of acids and deposits formation on parts – maximal mileage between services
Excellent low temperature properties	Improved oil fluidity – ensuring a smooth start in severe climate conditions
Excellent viscosity-temperatures characteristics	Optimal viscosity at the wide range of temperatures – reliable operation of the units in severe climate conditions

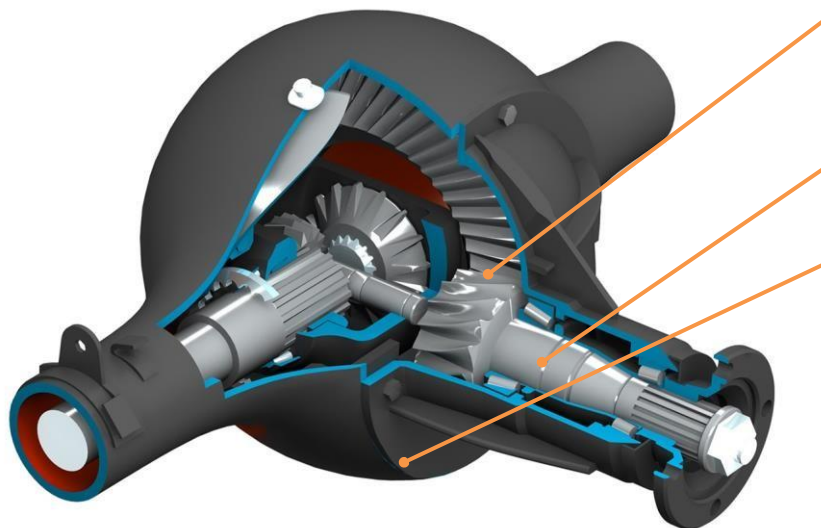
Typical Characteristics

Parameters	Value	Method
Kinematic Viscosity @100°C, mm ² /s	14,9	ASTM D445
Viscosity Index	166	ASTM D2270
Brookfield Viscosity @ -40°C, mPa·s	65 000	ASTM D2983
Flash Point (COC), °C	229	ASTM D92
Pour Point, °C	-41	ASTM D97
Density @15°C, kg/m ³	843	ASTM D4052

Specifications

- API GL-5

Transmissions oil G-Box GL-5 75W-90 exceeds the requirements of main specifications according to the tests:



Gear teeth protection

Wear protection of working surfaces of the parts
-damaged surface area of hypoid gear teeth at low speed 1.8 times lower (ASTM L-37)
-damaged surface area of hypoid gear teeth under shock loads 3.8 times lower (ASTM L-42)

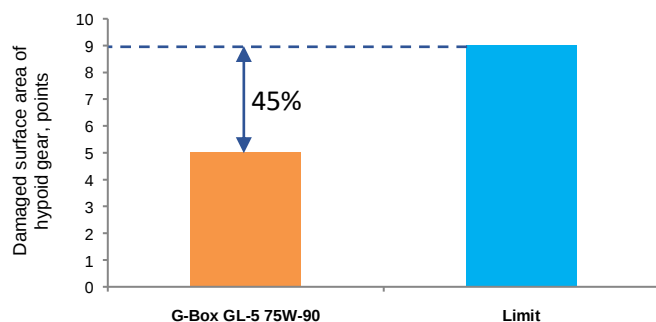
Leakage protection

Reducing of likelihood of leakage through the seals
-Effect on seals materials 5 times lower (VDA 675 301 70 ACM 121433)

Protection against deposits

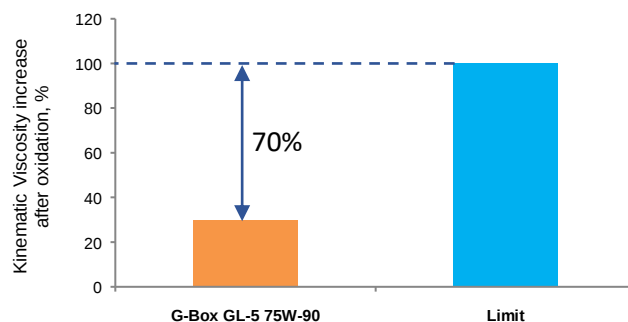
Protection against deposits formation-
Oxidation stability 3.3 times higher (Oxidation ASTM L-60)

Protection of the parts in severe conditions*



G-Box GL-5 75W-90 effectively protects hypoid gear teeth in wide range of loads and speeds, reducing the likelihood of equipment downtime.

Resistance to thermal loads**



G-Box GL-5 75W-90 does not form deposits on the transmission unit parts, providing effective heat removal.

*Test ASTM L-37; **Test ASTM L-60

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

ISO 9001



ISO 14001



ISO 45001

