

Guangzhou Baolichi Automobile Technology Co., Ltd.
Room 101, No. 21-2, Yongxing East Road, Longgui Street,
Baiyun District, Guangzhou, Guangdong, P.R.C
bolitch.com | sale@bolitch.com | Tel / WhatsApp +86 132 4753 6835

BOLITCH Fully Synthetic Manual Transmission Fluid | SAE 75W-90 | API GL-4

Models: BLC-OL-001 (1 kg x 16 bottles per carton)

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1. Product description

Fully synthetic manual transmission fluid, viscosity grade SAE 75W-90, performance level API GL-4.

2. Typical properties

Product Type	Fully synthetic manual transmission fluid
Viscosity Grade (SAE J 306)	SAE 75W-90
Performance Level	API GL-4
Kinematic Viscosity @100 °C	14.1 mm ² /s (ASTM D445)
Kinematic Viscosity @40 °C	76 mm ² /s (ASTM D445)
Viscosity Index	190 (ASTM D2270)
Pour Point, °C	-42 (ASTM D97)
Flash Point (COC), °C	205 (ASTM D92)
Density @20 °C, kg/L	0.862 (ASTM D4052)
Copper Strip Corrosion (121 °C, 3 h)	Class 1b (ASTM D130)
Appearance	Amber, clear liquid

Values are typical for the formulation and are not guaranteed specification limits. Bracketed references indicate the test method the value is expressed by. A Safety Data Sheet (SDS / MSDS) is supplied per formulation.

3. Packaging, weight and logistics

Packing	N.W / unit	N.W / carton	G.W / carton	Models
1 kg bottle x 16 / carton	1 kg	16 kg	17 kg	BLC-OL-001
HS code	2710.19			
Shelf life / storage	3 years (unopened, stored indoors)			

4. Recommended applications

Suits the manual gearboxes and synchronised transmissions of passenger cars, SUVs, MPVs, pick-ups and light to medium commercial vehicles, as well as transfer cases and some light-duty drive axles calling for API GL-4.

It is formulated to protect yellow metals (copper / brass synchroniser rings): it contains none of the aggressive sulphur-phosphorus EP additives found in GL-5 fluids, so it avoids the synchro corrosion that causes notchy shifting and gear clash.

Not recommended for heavy-duty hypoid axles that explicitly require API GL-5. Always follow the vehicle manufacturer's service manual.

5. Use, handling and safety

Fill to the level specified in the vehicle handbook. Do not mix with API GL-5 products.

Handling, personal protection, first aid and transport classification are given in the Safety Data Sheet (SDS / MSDS) supplied per formulation.

6. Documents supplied

Safety Data Sheet (SDS / MSDS) - supplied per formulation, available on request. | This Technical Data Sheet. | Other export documents supplied per shipment as required for customs clearance.

7. Standards and test methods referenced

Standards referenced in formulation and testing:

- API GL-4 performance level for manual transmission fluids
- SAE J 306 viscosity classification 75W-90
- Suitable for synchronised gearboxes calling for a GL-4 fluid such as VW 501.50

Test methods referenced:

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- ASTM D445 - kinematic viscosity
- ASTM D2270 - viscosity index
- ASTM D97 - pour point
- ASTM D92 - flash point (COC)
- ASTM D4052 - density
- ASTM D130 - copper strip corrosion

The standards and test methods below are quoted as the technical references used when formulating and testing this product. This list is not a certification, approval, licence or mark of conformity. No third-party certification, OEM approval or product licence is claimed or held. Where the market requires conformity assessment (for example PVoC, TBS or O'zDSt), the application is normally filed by the importer or an authorised local representative; we support it with samples, technical documentation and translations.

8. Performance highlights

- Fully synthetic base oils with a high viscosity index - stable at both temperature extremes, all-season use
- Excellent synchroniser compatibility - protects copper / brass synchro rings for smooth, notch-free shifting
- Outstanding anti-wear and extreme-pressure performance - longer life for gears, bearings and synchronisers
- Superior thermal-oxidative and shear stability - extended drain intervals
- Excellent low-temperature fluidity (pour point -42 °C) - easy cold shifts and instant lubrication at start-up
- Rust and corrosion protection for every internal metal component