

Product	Sinopec MTF C-I (Manual Transmission Fluid for Commercial Vehicles)
Summary	Product description Sinopec MTF C-I (Manual Transmission Fluid for Commercial Vehicles) is formulated with high-quality mineral oils and advanced multifunctional additives. It provides excellent load carrying capacity, outstanding thermal stability and oxidation stability, and meets the requirements of an API GL-4 quality fluid. Available in four SAE grades to suit the requirements of specific commercial vehicle transmissions.

Applications

Sinopec MTF C-I (Manual Transmission Fluid for Commercial Vehicles) is suitable for use in:

- Manual transmissions of commercial vehicles with synchronisers.
- Manual transmissions of many commercial vehicle manufacturers where an API GL-4 quality fluid is required.

Features and benefits

- Excellent load carrying capacity, protects gears from scuffing and wear, prolongs service life and increases maintenance intervals.
- Excellent synchroniser performance makes gear shifting smoother and quieter, and improves the driving experience.
- Good thermal and oxidation stability reduce the formation of deposits that could damage the gearbox, and ensure long fluid service life.
- Low pour point ensures fluidity at low temperatures and provides easier cold-start performance in synchronised transmissions.
- Resistance to rust and corrosion ensures protection of the gears and synchroniser, and extends gearbox life.
- Good seal compatibility prevents loss of transmission fluid through leakage.

Typical data

Sinopec MTF C- I (Manual Transmission Fluid for Commercial Vehicles)				
SAE grade	80W	80W-90	85W-90	85W-110
Kinematic viscosity, ASTM D 445				
cSt @ 100°C	9.70	15.68	17.15	20.76
Brookfield viscosity, ASTM D 2983				
cP @ -12°C	–	–	16,500	69,500
cP @ -26°C	24,000	93,000	–	–
Viscosity index, ASTM D 2270	112	105	95	95
Flash point (COC), °C, ASTM D 92	200	210	222	228
Pour point, °C, ASTM D 97	-33	-30	-21	-18
Foaming characteristics, ASTM D 892				
sequence I	0	0	0	0
sequence II	10	0	0	0
sequence III	0	0	0	0

These data are given as an indication of typical values and not as exact specifications.

Industry and OEM specifications

Sinopec MTF C- I (Manual Transmission Fluid for Commercial Vehicles) meets the performance requirements of the following industry specifications:	
API	GL-4

Sinopec MTF C-I (Manual Transmission Fluid for Commercial Vehicles) meets the performance requirements of the following OEM specifications:	
ZF	TE-ML 02B,17A

Accuracy of information

Data provided in this PDS is typical and subject to change as a result of continuing product research and development. The information given was correct at the time of printing. The typical values given are subject to variations in the testing procedures and the manufacturing process may also result in slight variations. Sinopec guarantees that its lubricants meet any industry and OEM specifications referred to on this data sheet.

Sinopec cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on best practice is available from your local distributor.

Product and environmental safety

This product should not cause any health problems when used in the applications suggested and when the guidance provided in the Material Safety Data Sheet (MSDS) is followed. Please consult the MSDS for more detailed advice on handling; MSDSs are available from your local distributor. Do not use the product in applications other than those suggested.

As with all products, please take care to avoid environmental contamination when disposing of this product. Used oil should be sent for reclamation/recycling or, if not possible, must be disposed of according to relevant government/authority regulations.

The SINOPEC trademark is registered and protected in Australia.

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