

VITALTECH

80W90 GL 5

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2312

This is a synthetic based lubricant for transmissions, which distinguishes itself of the classic, hypoid GL 5-oils, by its multifunctional character and its exceptional oxidation and thermal stability. It shows a remarkable amelioration of the friction loss in the transmissions and thus has a fuel economy character. Moreover it is absolutely unharmed for the syncromesh-rings and seal materials.

APPLICATIONS

It is specifically recommended for all manual gear boxes and final drives of heavy vehicles and trucks. Owing to its universal character, it can be used without any problems for all transmission parts, where API GL 4- or GL 5-oils is recommended. By its exceptional resistance against oxidation and favourable influence on oil seals, it is classified as "Long Drain" oil for transmission oils.

FEATURES

Frictional properties : very smooth gear shifting, no vibration.
Extended oil life : optimized thermal and oxidation stability.
Anti-wear protection : long transmission life.

SPECIFICATION LEVEL

API	GL-4	MACK	GO-J
API	GL-5	SCANIA	STO:1
API	MT-1	ZF	TE-ML 02B
MIL	PRF-2105E	ZF	TE-ML 05A
MB	235.1	ZF	TE-ML 07A
MB	235.0	ZF	TE-ML 08A
MAN	3343 M	ZF	TE-ML 12A
MAN	341 E-2	ZF	TE-ML 16B/C
MAN	342 M-2	ZF	TE-ML 17B

TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.908
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	135
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	14.5
Viscosity index	ASTM D2270		107
Pour point	ASTM D6892	°C	-36
Flash Point COC	ASTM D92	°C	200

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

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