CHAMPION NEW ENERGY 80W90 GL 5

This is a synthetic based lubricant for transmissions, which distinguishes itself from the classic, hypoid GL 5-oils by its multifunctional character and its exceptional oxidation and thermal stability.

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.

FEATURES

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

SPECIFICATIONS

API	GL-4
API	GL-5
API	MT-1
MIL	PRF-2105E
SAE	J 2360
ARVIN MERITOR	0-76-A
ARVIN MERITOR	0-76-B
ARVIN MERITOR	0-76-D
ARVIN MERITOR	0-76-N
ARVIN MERITOR	0-94
CASE	MS1316
DAF	GL5/MIL-PRF-2105E
DTFR	12B100
DTFR	12B110
IVECO	MIL-PRF-2105E
JD	J11 E
MACK	GO-J
MAN	341 E-2
MAN	341 GA1
MAN	341 Z-2
MAN	342 M-2
MB	235.0
MB	235.20
NH	NH 520A
RENAULT	B0032/3 Annex 3
SCANIA	STO 1:0
SCANIA	STO 1:1G
SDFG	OP1705
STEYR	B-101
ZF	TE-ML 02B
ZF	TE-ML 04G
ZF	TE-ML 05A
ZF	TE-ML 07A
ZF	TE-ML 08
ZF	TE-ML 12E
ZF	TE-ML 12L
ZF	TE-ML 12M
ZF	TE-ML 16B
ZF	TE-ML 16C
ZF	TE-ML 16D
ZF	TE-ML 16F
ZF	TE-ML 17B
ZF	TE-ML 17H
ZF	TE-ML 19B
ZF	TE-ML 19C
ZF	TE-ML 21A
ZF	TE-ML 24A

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TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.896
Kinematic viscosity at 40°C	ASTM D445	mm²/s	135
Kinematic viscosity at 100°C	ASTM D445	mm²/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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