



Technical Data Sheet

SYNPLUS

Totally synthetic fluid API GL-5/MT-1

Fully synthetic lubricant for use in transmissions subject to very strict requirements in terms of prolonged time lubricated gearboxes and performance required. This type of fluid is optimally designed to withstand high load conditions, cases of Extreme Pressure (EP) and shock loading. SYNPLUS is the result of the perfect balance between synthetic oils and innovative additive system which provides significant advantages when compared with conventional gear oils.

Applications & Benefits

- Improved Technology

The use of technologically advanced additives and fully synthetic bases has allowed to improve load performance, speed pair and heavy duty road maintenance equipment.

- Active Control

The additives contained therein allow a constant and continuous performance of the lubricant against friction, for controlling wear, thermal stability and cutting and for the prevention of corrosion and rust phenomena. All this results in a long lifespan of gears and bearings due to reduced storage capacity.

- Start & Stop

The lubricant thus formulated has an extraordinary fluidity at low temperatures affecting the gearbox at start-up, helping to reduce the wear phenomena and facilitate commissioning of the transmission body.

- Foam resistance

It helps maintain a stable film in the transmission body, which minimizes the foaming phenomenon and ensures reliable lubrication.

- Compatibility

Compatibility with a wide range of sealing elastomers helps prevent lubricant losses due to deterioration of the gasket.

Specifications & Approvals

- Exceeds the specifications listed below:

API MT-1/GL-5/GL-4	SAE J2360
MB 235.8	IVECO
Scania STO 1:0	MAN 341 Type E3/Z2
MAN 342 Type M3	MAN 342 Type S1
Volvo 97312	DAF
Mack GO-J	MIL-PRF-2105E
ZF TE-ML 02B, 05B	ZF TE-ML 07A
ZF TE-ML 12B, 12L	ZF TE-ML 12N, 16F
ZF TE-ML 17B, 19C	ZF TE-ML 21B
DD DFS93K219.01	
ARVIN MERITOR 0-76-N	

Always check the operating and maintenance manual for the correct selection of reference transmission fluid for your vehicle.

*For further information please contact the Technical Service.

Chemical-Physical Characteristics

Test	Method	Synplus		
		75W-80	75W-90	75W-140
SAE Grade	-	75W-80	75W-90	75W-140
Appearance	Visual	Clear	Clear	Clear
Density @ 15°C, kg/dm ³	ASTM D 4052	0.865	0.865	0.880
Viscosity cSt @ 40°C cSt @ 100°C	ASTM D 445	60.0 10.0	115.0 18.0	260.0 29.0
Viscosity Index - Unit	ASTM D 2270	160	170	160
Flash point, °C	ASTM D 92	220	220	225
Pour point, °C	ASTM D 97	-39	-39	-36

NOTE: The above values are "typical" for normal production tolerance and do NOT constitute a specification.

Storage, Health & Environment

- Storage & Health

It is recommended to store the SYNPLUS lubricant under cover. If storage is carried out outdoors, it is recommended to position the drums, preferably under a roof, in a horizontal position and, if kept upright, cover them with a lid to prevent water infiltration. It is advisable not to store the packs at temperatures above 60°C or directly to the sun as it is good to keep them in places not subject to freezing.

SYNPLUS has no health effects when properly used, applying the standard personal hygiene standards.

- Environment

Do not discharge the new and/or exhausted lubricant into the sewage system, soil or watercourses. Exhausted lubricant must be delivered to an authorized collection point.

Additional information

- Safety Data Sheet

It is provided aside and must be considered for its information or can be easily downloaded from www.rilub.it

Contact your technical service for more information:



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