



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

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PRODUCT DATA SHEET

SYNGEAR ECO-M 75W/80 GL-4

PRODUCT DESCRIPTION

Syngear ECO-M 75W/80 GL-4 is the latest generation of high performance synthetic based MTF (manual transmission fluids) and gear lubricants specially designed to meet the heavy duty demands of ZF and MAN transmissions. Formulated from a combination of advanced additives and viscosity modifiers, it is well adapted to the requirements of synchromesh (molybdenum, sinter and carbon based) and automated manual transmissions of commercial vehicles using ZF and MAN equipment, including those fitted with interarders. Being a fully synthetic fluid, **Syngear ECO-M 75W/80 GL-4** offers improved shift comfort, low temperature fluidity and longer service life.

APPLICATIONS

- Heavy duty manual transmissions and gear cases where API GL-4 service level is desired.
- Modern synchronized transmissions requiring ZF TE-ML 02L and/or MAN 341 Z-4 approvals.
- Where extended service and warranties are required.

BENEFITS

- Extended long drain performance of up to 2 years or 360,000 kms.
- Excellent load carrying, anti-wear and extreme pressure performance.
- Ideal for mixed fleet service fill applications.
- OEM endorsed additive technology and viscosity modifier system.
- Outstanding low-temperature fluidity providing better fuel economy.
- Easy smooth shifting and quick starts.
- Clean internal surfaces of transmission.
- Thermal durability: prevents gear spalling at high temperatures and loads.
- Shear stability: shear stable viscosity modifiers used to ensure this wide span multigrade oil 'stays in grade'.
- Oxidation and thermal stability: prevents oil thickening and deposit formation, resulting in better component protection.
- Rust and corrosion prevention: protects system parts from water.

Syngear ECO-M 75W/80 GL-4 is recommended for the lubrication of manual synchromesh transmissions, axles, differentials, final drives, transfer cases and other gear applications (long drain performance is required) such as in Volvo, DAF, Iveco, Renault and MAN vehicles and those using Eaton and ZF (Ecosplit, Ecolite, Ecomid, AS Tronic, e Tronic) equipment.

SPECIFICATIONS

Syngear ECO-M 75W/80 GL-4 meets or exceeds following demanding performance requirements:

API GL-4

DAF

Eaton

Iveco 18-1807

MAN 341 E-3, Z-4

Renault

Volvo 97305, 97307

ZF TE-ML 01L, 02L, 08, 13 (using 02L), 16K and 24A

Always consult your vehicle owner's manual for the manufacturer's recommendations.



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TYPICAL PROPERTIES

Property	ASTM Method	Results
Appearance	Visual	Amber
Density (kg/Lt) @ 15°C	D-1298	0.860
Viscosity (cSt) @ 40°C	D-445	55.7
@ 100°C	D-445	9.5
Viscosity Index	D-2270	155
Brookfield (cP) @ -40C	D2983	68,950
Flash Point; PM Closed (°C)	D-93	192
Pour Point (°C)	D-97	-54
Phosphorus (ppm)	ICP	590
Calcium (ppm)	ICP	740
Sulphur (ppm)	ICP	2510

Available in: Bulk, 200 Litres and 20 Litres

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

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