



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

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PRODUCT DATA SHEET

SYNGEAR 75W/90 V EXTRA

Hi-Tec SYNGEAR 75W/90 V EXTRA is a synthetic oil based gear lubricant specially designed to meet the Volvo 97312 specification with long drain performance. It is particularly suitable for synchromesh transmissions and commercial vehicle axles where enhanced load carrying and thermal stability is required. It is also recommended for the lubrication of differentials, final drives, manual transmissions, transfer cases and other gear applications.

Hi-Tec SYNGEAR 75W/90 V EXTRA has the **Volvo Transmission Oil 97312-012** OEM approval.

Hi-Tec SYNGEAR 75W/90 V EXTRA offers outstanding high temperature and high load performance properties combined with excellent low temperature fluidity and cold flow properties, excellent corrosion protection and superior seal compatibility.

Hi-Tec SYNGEAR 75W/90 V EXTRA has outstanding viscosity/temperature properties, even after high mechanical shearing encountered in hypoid and other severe automotive gear applications.

Benefits of Using Hi-Tec SYNGEAR 75W/90 V EXTRA

- Anti-wear capabilities: protects components against wear under normal loads.
- Extreme Pressure capabilities: protects components from failure under shock and high loads.
- Spalling protection: provides axle gear sets with metal fatigue protection.
- Thermal durability: prevents gear spalling at high temperatures and loads.
- Shear stability: shear stable viscosity modifiers used to ensure this wide span multigrade oil 'stay in grade'.
- Prevention of oil leakage: oil seal compatibility helps to keep the oil in the axle and maintain lubrication.
- Oxidation and thermal stability: prevents oil thickening and deposit formation, resulting in better component protection.
- Anti-foam characteristics: prevents breakdown of and maintains the protective oil film, enabling constant lubrication of components.
- Rust and corrosion prevention: protects system parts from water

Hi-Tec SYNGEAR 75W/90 V EXTRA is recommended for the lubrication of manual synchromesh transmissions, axles, differentials, final drives, transfer cases and other gear applications where long drain performance is required, such as in Volvo, DAF, Iveco, Mack, Mercedes Benz, Scania, Renault and MAN vehicles and those using Arvin Meritor and ZF equipment.



AUSTRALIAN FAMILY OWNED SINCE 1989





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TYPICAL TEST

SAE

Appearance

Density, Kg/Lt at 15°C

Viscosity, cSt at 40°C
at 100°C

Viscosity Index

Flash Point, PM Closed, °C

Pour Point, °C

Copper Strip Corrosion

3 hours at 100°C

Foaming Characteristics, 10 mins

Settling, Sequence 1, 2, 3

Phosphorus, % Mass

Magnesium, % Mass

Boron, % Mass

ASTM

Visual

D.1298

D.445

D.445

D.2270

D.93

D.97

D.130

D.892

ICP

ICP

ICP

TYPICAL VALUE

75W/90

Amber

0.873

100

14.9

155

192

-54

1a

Nil

0.16

0.09

0.05

APPLICATIONS

Hi-Tec SYNGEAR 75W/90 V EXTRA is suitable for use where lubricants meeting the following performance levels are recommended:

API GL-4, GL-5;

API MT-1;

MIL-PRF-2105E;

SAE J2360;

Arvin Meritor 076-N;

DAF;

IVECO;

Mack GO-J;

MAN 341 E-3, Z-2; 342 M-3;

MB 235.8; 235.11

Renault;

Scania STO 1:0;

Volvo 97312: approval **Volvo Transmission Oil 97312-012**.

ZF TE-ML 02B, 05B, 07A, 08, 12B, 16F, 17B, 19C, 21B.

Product Code: HI4-2478

"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"

Effective: December 2014

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