



## PRODUCT DATA SHEET

### MULTIGEAR 85W/140 SCANGEAR

#### PRODUCT DESCRIPTION

**Hi-Tec Multigear 85W/140 Scangear** is a mineral oil based gear lubricant specially designed to meet the Scania STO 1:0 axle specification with extended long drain performance. It is particularly suitable for commercial vehicle axles where enhanced load carrying, improved fuel economy, and thermal stability is required. It is also recommended for the lubrication of differentials, final drives, and other gear applications.

**Hi-Tec Multigear 85W/140 Scangear** offers outstanding high temperature and high load performance properties combined with excellent corrosion protection and superior seal compatibility.

**Hi-Tec Multigear 85W/140 Scangear** has outstanding viscosity/temperature properties, even after high mechanical shearing encountered in hypoid and other severe automotive gear applications.

#### BENEFITS

**Hi-Tec Multigear 85W/140 Scangear** characteristics include:

- *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 components used to ensure this wide span multigrade oil 'stays 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 Multigear 85W/140 Scangear** is recommended for the lubrication of axles, differentials, final drives, and other gear applications in commercial vehicles where long drain, heavy duty performance is required, such as in Scania trucks and other modern vehicles including those using ZF equipment.

#### SPECIFICATIONS

**Hi-Tec Multigear 85W/140 Scangear** meets or exceeds the following demanding performance requirements:

API GL-5;

MT-1;

Scania STO 1:0;

ZF TE-ML 05A, 05B, 07A, 08, 12E, 16D, 21A, 21B

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





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### TYPICAL PROPERTIES

Property	ASTM Method	Typical Results
SAE	-	85W/140
Appearance	Visual	Amber
Density, Kg/Lt at 15°C	D1298	0.910
Viscosity, cSt at 40°C	D445	412
at 100°C	D445	28.0
Viscosity Index	D2270	94
Flash Point, PM Closed, °C	D93	273
Pour Point, °C	D97	-12
Copper Strip Corrosion 3 hours at 100°C	D130	1b
Foaming Characteristics, 10 mins Settling, Sequence 1, 2, 3	D892	Nil
Phosphorus, % Mass	ICP	0.18
Nitrogen, % Mass	Kjeldahl	0.08
Boron, % Mass	ICP	0.01

**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](http://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](http://www.hi-tecoils.com.au)"

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