



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

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PRODUCT DATA SHEET

ADVANCE PLUS 80W/140 SYN GEAR OIL

PRODUCT DESCRIPTION

Advance Plus 80W/140 Syn Gear Oil is a synthetic PAO and ester based friction modified gear lubricant. It is particularly suitable for commercial vehicle axles where enhanced load carrying and thermal stability is required due to severe temperatures and loads. It is also recommended for the lubrication of differentials, final drives, non-synchromesh manual transmissions and transfer cases, and other gear applications.

Advance Plus 80W/140 Syn Gear Oil 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. It exhibits outstanding viscosity and temperature properties, even after high mechanical shearing encountered in hypoid, spiral bevel and other severe automotive gear applications.

Advance Plus 80W/140 Syn Gear Oil is recommended for the lubrication of axles, differentials, final drives, non-synchromesh manual transmissions and 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.

Advance Plus 80W/140 Syn Gear Oil is also suitable for use in limited slip differentials where a GL-5 80W/140 specification is required.

BENEFITS

- **ANTI-WEAR CAPABILITIES.** It is formulated to protect components against wear under normal to severe loads.
- **EXTREME PRESSURE CAPABILITIES.** Protects components from failure under shock and high loads.
- **SHEAR STABILITY.** Shear-stable viscosity modifiers used to ensure this wide span multigrade oil 'stay in grade'.
- **OXIDATION AND THERMAL STABILITY.** Prevents oil thickening and deposit formation, resulting in better component protection.
- **THERMAL DURABILITY.** Prevents gear spalling at high loads and temperatures.
- **PREVENTION OF OIL LEAKAGE.** Oil seal compatibility helps to keep the oil in the axle and maintain lubrication.
- **ANTI-FOAM CAPABILITIES.** Prevents breakdown of and maintains the protective oil film, enabling constant lubrication of components.

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



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TYPICAL PROPERTIES

Property	ASTM Method	Results
SAE		80W/140
Appearance	Visual	Amber
Density (kg/Lt) @ 15°C	D-1298	0.875
Viscosity (cSt) @ 40°C	D-445	220
@100°C	D-445	29
Viscosity Index	D-2270	171
Flash Point; PM Closed (°C)	D-93	220
Pour Point (°C)	D-97	-30
Copper Strip Corrosion 3 hours at 100°C	D-130	1a
Foam Formation (10 mins settling)		
Sequence I, II, III	D-892	Nil
Phosphorus (% wt)	ICP	0.05

APPLICATIONS

Advance Plus 80W/140 Syn Gear Oil is suitable for use where lubricants meeting the following performance levels are recommended:

API GL-4 Non synchronesh
API GL-5
API MT-1
MIL-PRF-2105E
SAE J2360
Arvin Meritor 076
Mack GO-J.

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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