

SYN HDH 75W-90

Synthetic Automotive Gear Oil



Features & Benefits

- Full Synthetic
- Improved fuel efficiency
- Extreme shock load protection
- Excellent thermal and oxidation stability
- Excellent resistance to deposit and foam formation
- Excellent shear stability

Specifications

✓ Meets Requirements ■ Suitable for use

Specifications	SYN HDH 75W-90
API MT-1	✓
API GL-4	✓ ¹
API GL-5	✓
Non-synchronized commercial vehicle manual transmission	■
Drain-and-fill or top-off limited slip	■
DANA SHAES 429	■
DANA SHAES 256 REV E	■
GE D-50E9C	■
Harnishfeger (P&H) 474	■
Meritor 0-76-N (Obsolete)	■
Navistar B22	■
ZF TE-ML 07A & TE-ML 08	■

¹ Irving Syn HDH 75W-90 can be used in non-manual transmission GL-4 applications. However, it is not recommended in synchro-mesh transmissions where GL-4 is required.

Typical Results

Test Method	SYN HDH 75W-90
SAE GEAR GRADE	75W-90
DENSITY @ 15°C (D4052), (kg/L)	0.87
VISCOSITY (D445) cSt @ 40°C cSt @ 100°C	113.2 16.4
VISCOSITY INDEX (D2270)	156
BROOKFIELD @ -40°C (D2983), (cP)	132,000
POUR POINT (D5950), (°C)	-45
FLASH POINT (D93), (°C)	155
FOAM SEQUENCE I, II, III (D892), (mL/mL)	0/0

SYN HDH 75W-90 uses synthetic base oil for excellent stability, long life, extreme temperature operation, improved fuel economy, reduced wear and cleaner components.

SYN HDH 75W-90 has a complete protection package for differentials' extreme pressure (EP) conditions, including limited slip and planetaries working under the heaviest load conditions. It meets the performance requirements of API GL-5.

SYN HDH 75W-90 is a multi-weight gear oil to cover the broadest possible temperature ranges. Using synthetic base oil rather than mineral oil reduces friction in extreme conditions, increasing fuel economy by making more horsepower available to the driving wheels.

SYN HDH 75W-90 has excellent shear stability with a viscosity above the minimum requirement of 13.5 cSt for an SAE GEAR 90 after KRL shear testing. This ability provides viscosity retention, which ensures internal parts are properly lubricated throughout the life of the oil to prevent metal-on-metal contact and wear.

Size & Order Codes

Size	SYN HDH 75W-90
18.9 L / 5 US Gal Pail	F0085940
60 L / 15.8 US Gal Keg	F0020045
205 L / 54.2 US Gal Plastic Drum	F0020050
205 L / 54.2 US Gal Metal Drum	F0073650
1000 L / 264 US Gal Bulk Tote	F0020001
Bulk	B0020001

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Always consult your owner's manual for verification of fluid type and grade!
Supporting data available to demonstrate acceptable performance. Check with your sales associate for latest product approvals.

Please note, these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to November 8, 2022.

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