

SYN HDH 75W-90

Synthetic Heavy-Duty Hypoid 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

Specification	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 should **not** be used in synchro-mesh transmissions where GL-4 is required.

Typical results

Test Method	SYN HDH 75W-90
SAE GEAR GRADE	75W-90
VISCOSITY (D445) cSt @ 40°C	113.2
cSt @ 100°C	16.4
VISCOSITY INDEX (D2270)	156
DENSITY @ 15°C (D4052), kg/L	0.87
POUR POINT (D97), °C	-45
FLASH POINT (D93), °C	155
BROOKFIELD @ -40°C (D2983), cP	132,000
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 that covers 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.

Sizes & order codes

Size	SYN HDH 75W-90
946 mL (1 QT)	F0020015
18.9 L (5 US gal)	F0085940
60 L (15.85 US gal)	F0020045
205 L (54.2 US gal) Plastic Drum	F0020050
205 L (54.2 US gal) Metal Drum	F0073650
1000 L (264 US gal)	F0020001
Bulk	B0020001

Always consult your owner's manual for verification of fluid type and grade!

Supporting data available to demonstrate acceptable performance. Check with Sales Associate for the latest product approvals.

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

This data sheet replaces previous versions prior to Feb 20, 2024.

www.irvingoil.com/lubricants 1.800.574.5823