

HDH

Heavy Duty Hypoid Gear Oil



Features & Benefits

- Outstanding service with proven performance over millions of miles
- HDH 80W-90 LS is suitable for service in limited-slip differentials
- Excellent oxidation control
- Minimizes the formation of sludge and deposits
- Formulated for use in non-synchronized manual transmissions

Specifications

✓ Meets Requirements ◆ Recommend for

Specifications	75W-90	80W-90	85W-140	80W-90 LS
API GL-5	✓	✓	✓	✓
API MT-1	✓	✓	✓	✓
MERITOR 0-76-D	-	-	-	✓
MAN 342 M-1	✓	✓	✓	-
ZF TE-ML 07A & 08	✓	✓	✓	✓
FORD WSP-M2C197A	-	◆	-	◆

Typical Results

Test Method	75W-90	80W-90	85W-140	80W-90 LS
VISCOSITY (D445) cSt @ 40°C cSt @ 100°C	95 16.8	137 14.7	341 26.7	125 14.2
VISCOSITY INDEX (D2270)	193	108	104	113
BROOKFIELD VISCOSITY (D2983) cP @ -26°C cP @ -40°C	- 139,600	109,200 -	142,000 -	80,000 -
POUR POINT (D97), (°C)	-45	-33	-18	-33
DENSITY @ 15°C (D4052), (kg/L)	0.88	0.89	0.91	0.90
FLASH POINT (D93), (°C)	151	170	167	154

HDH oils are extreme pressure (EP) automotive gear lubricants made from high quality, high viscosity index (VI) paraffinic base oils.

HDH's special additives are particularly effective at providing high load-carrying protection with excellent rust, corrosion and foam prevention. Excellent oxidation control and thermal stability prevent the formation of sludge and deposits, which leaves gears clean through many miles of service.

HDH oils are recommended for light and heavy-duty axels and heavy-duty non-synchronized manual transmissions. These oils are also suitable for outdoor industrial applications with enclosed gear sets that require high film strength.

HDH 80W-90 LS was designed to enhance limited-slip differential performance and reduce or eliminate limited-slip chatter.

HDH can be used in non-manual transmission GL-4 applications. **HDH** is not recommended in synchro-mesh transmissions, where GL-4 is recommended.

www.irvingoil.com/lubricants
1.800.574.5823

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Size & Order Codes

Size	75W-90	80W-90	85W-140	80W-90 LS
946mL / 1 Qt US	-	F0005415	-	-
3.78L / 1 US GAL	-	F0005426	-	-
18.9L / 5G US GAL	F0086840	F0087040	F0087140	F0080340
60L / 15.8 US GAL	F0005245	F0005445	F0005545	-
205L / 54.2 US GAL	-	F0012550	F0012650	F0073550
1000L / 264 US GAL	F0005260	-	-	-
1000L/ 264 US GAL Bulk Tote	-	F0111301	-	-
Bulk	B0005201	B0005401	B0005501	B0073501



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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 October 3rd 2022.
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