



HDH Gear Oil

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 ■ Suitable for use

| Specification | 75W-90 | 80W-90 | 85W-140 | 80W-90LS |
|--|--------|--------|---------|----------|
| API GL-5 | ✓ | ✓ | ✓ | ✓ |
| API MT-1 | ✓ | ✓ | ✓ | ✓ |
| MERITOR O-76-A | - | - | ■ | - |
| MERITOR O-76-D | - | ■ | - | ■ |
| MAN 342 M-1 (Obsolete) | ✓ | ✓ | ✓ | - |
| ZF TE-ML 07A & 08 | ■ | ■ | ■ | ■ |
| FORD WSP-M2C197-A | - | ■ | - | ✓ |
| Limited Slip Drain-and-Fill or Top-off | - | - | - | ✓ |

Typical results

| Test Method | 75W-90 | 80W-90 | 85W-140 | 80W-90LS |
|---|--------------|--------------|--------------|-------------|
| 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 |
| DENSITY @ 15°C (D4052), kg/L | 0.88 | 0.89 | 0.91 | 0.90 |
| POUR POINT (D97), °C | -45 | -33 | -18 | -33 |
| FLASH POINT (D93), °C | 151 | 170 | 167 | 154 |
| BROOKFIELD (D2983) cP @ -26°C cP @ -40°C | - 139,600 | 109,200 - | 142,000 - | 80,000 - |

HDH Gear Oils are Extreme Pressure (EP) automotive gear lubricants made from high-quality, high-viscosity index (VI) paraffinic base oils.

HDH Gear Oil's special additives provide high load-carrying protection with excellent rust, corrosion, and foam prevention. Excellent oxidation control and thermal stability prevent the formation of sludge and deposits, leaving gears clean through many miles of service.

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

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

HDH Gear Oil can be used in most applications requiring a GL-4 fluid. However, **HDH Gear Oil** should not be used in synchro-mesh transmissions where GL-4 is required.



Always consult your owner's manual for verification of fluid type and grade.
Check with sales associate for the latest product approvals and acceptable performance data.
Please note these are typical performance indicators and can change without notice.
This data sheet replaces previous versions prior to December 22, 2024.
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Sizes & order codes

| Size | 75W-90 | 80W-90 | 85W-140 | 80W-90LS |
|----------------------------------|----------|----------|----------|----------|
| 946 mL (1 US QT) | - | F0005415 | - | - |
| 3.78 L (1 US gal) | - | F0005426 | - | - |
| 18.9 L (5 US gal) | F0086840 | F0087040 | F0087140 | F0080340 |
| 60 L (15.85 US gal) | F0005245 | F0005445 | F0005545 | - |
| 205 L (54.2 US gal) | - | F0012550 | F0012650 | F0073550 |
| 1000 L (264 US gal) | F0005260 | - | F0012601 | - |
| 1000 L (264 US gal) Bulk Tote | - | F0111301 | F0012601 | - |
| Bulk | B0005201 | B0005401 | B0005501 | B0073501 |



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