



DTF-2 PROFESSIONAL 75W-85

Full-Synthetic API GL-5 Hypoid Gear Oil — Differentials, Final Drives & Transfer Cases (Limited-Slip Capable)

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DESCRIPTION

TRIAX DTF-2 Professional 75W-85 is a full-synthetic API GL-5 hypoid gear oil engineered for front and rear differentials, final drives, and transfer cases in late-model passenger vehicles and light trucks. The full-synthetic base oil platform and precision-tuned additive system — including advanced EP chemistry, integral friction modifiers for limited-slip differentials, and corrosion inhibitors for ferrous and copper-alloy components — deliver exceptional load-carrying capacity, smooth engagement in clutch-type and gear-type LSDs, and outstanding protection of hypoid ring-and-pinion gearsets under sustained high-torque loading.

PERFORMANCE HIGHLIGHTS

- **Built-in friction modifiers for limited-slip differentials** — integral friction-modifier chemistry delivers the smooth, progressive clutch engagement that clutch-type LSDs require, helping prevent shudder, chatter, and stick-slip on tight turns and under corner-exit torque — with no separate LSD additive bottle needed at fill
- **API GL-5 extreme-pressure protection** — sulfur-phosphorus EP additive system maintains a load-carrying film on hypoid ring-and-pinion tooth flanks under sustained high-torque, high-speed, and shock-load service, including trailer towing and plow duty in Ram 2500 and 3500 AAM front and rear axles
- **Broad 75W-85 factory-fill coverage** — replaces the OEM 75W-85 fill in BMW and Mini front and rear differentials, a wide range of Mercedes-Benz differentials, GM axles specifying SAF Carbon Mod and SAF-EH MOD LV, Ram 1500, 2500, and 3500 axles, and Toyota, Lexus, Honda, Acura, Nissan, and Mazda hypoid applications — one grade across a mixed-brand shop or fleet
- **Full-synthetic base oil platform** — viscosity index of 174 and a -45 °C pour point give rapid cold-start circulation to the pinion bearing and stable film thickness at sustained high sump temperature, with oxidation resistance and viscosity retention beyond conventional and synthetic-blend gear oils
- **Smooth gear engagement and frictional stability** — frictional properties hold over the drain interval, helping eliminate ratcheting, chatter, and harsh lockup in limited-slip and electronic-locking rear differentials
- **Corrosion protection** — inhibitor system protects ferrous components and copper alloys against corrosive attack, meeting copper-strip requirements for API GL-5 service

SPECIFICATIONS & APPLICATIONS

TRIAX DTF-2 Professional 75W-85 is engineered for differentials, final drives, transfer cases, and limited-slip applications across European, Asian, and US vehicles requiring an API GL-5 or SAE 75W-85, 75W-80, 80W, or 85W gear oil.

For use in applications requiring the following specifications:

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| ■ API GL-5, MT-1, MIL-PRF-2105E, SAE J2360 | ■ GM 9986551, 19300457, 19418501, 88862826, 92184900, SAF Carbon Mod, SAF-EH MOD LV |
| ■ ZF TE-ML 18 (passenger-car axles) | ■ Chrysler / Stellantis MS-A0450 (Mopar LL Hypoid), 68210057AA, 68449546AA |
| ■ BMW / Mini Hypoid Axle Oil G1, G2, G3, G4, G5 | ■ Toyota / Lexus 08885-02506, 08885-02606, 08885-81060, Gear Oil LT/LX, JWS 2273 |
| ■ Mercedes-Benz 231.1, 235.15, 235.62, 235.7, 235.74, 239.71, 239.72 | ■ Honda / Acura 08200-9014A, Hypoid Gear Oil HGO-1 |
| ■ Ford WSS-M2C942-A / XY-75W85-QL | ■ Nissan / Infiniti KDL38-75801P |
| ■ VW / Audi / Volvo G 052 513 | ■ Mazda K020-01-SG1 |

See Specifications and Typical Values on Page 2

TYPICAL PROPERTIES

Parameter	TRIAX DTF-2 Professional 75W-85	Test Method
Viscosity, Kinematic @ 40 °C, cSt	68	ASTM D445
Viscosity, Kinematic @ 100 °C, cSt	12	ASTM D445
Viscosity Index	174	ASTM D2270
Flash Point, °C (°F)	226 (439)	ASTM D92
Pour Point, °C (°F)	-45 (-49)	ASTM D97
Specific Gravity @ 60 °F	0.83	ASTM D4052

Small deviations from these results are expected during the manufacturing process and do not affect product performance, and product formulations are subject to change without notice.

OEM SPECIFICATIONS & PART-NUMBER CROSS-REFERENCE

TRIAX DTF-2 Professional 75W-85 is suitable for use where the following OEM gear-oil specifications, factory-fill fluids, and service part numbers are called for. Listing indicates suitability for the stated specification; it does not imply OEM endorsement.

Industry & Military

- API GL-5, API MT-1
- MIL-PRF-2105E
- SAE J2360
- SAE 75W-85, 75W-80, 80W, 85W
- ZF TE-ML 18 (passenger-car axles)

European OEM

- BMW / Mini Hypoid Axle Oil: G1, G2, G3, G4, G5
- BMW / Mini Part Numbers: 83 12 0 445 838, 83 22 2 239 982, 83 22 2 295 532, 83 22 2 413 511, 83 22 2 413 512, 83 22 2 447 362, 83 22 2 471 487
- Mercedes-Benz 231.1, 235.15, 235.62, 235.7, 235.74, 239.71, 239.72
- Mercedes-Benz Part Numbers: A 000 989 73 04, A 000 989 88 03, A 001 989 33 03, A 001 989 59 03, A 002 989 02 03
- MB-Approval hypoid rear-axle service
- VW / Audi G 052 513, G 052 190 A2, G 055 190 A2
- Volvo G 052 513, 32240903; hypoid axle applications
- Ford WSS-M2C942-A / XY-75W85-QL

North American OEM

- GM 9986551, 19300457, 19418501, 88862826, 92184900
- GM SAF Carbon Mod, SAF-EH MOD LV
- GM limited-slip & locking differentials
- Chrysler / Stellantis MS-A0450 (Mopar LL Hypoid)
- Mopar Part Numbers: 05136035AA, 68083381AA, 68210057AA, 68218654AA, 68232948AA, 68237820AA, 68333589AA, 68378949AA
- Mopar 68449546AA (75W-85 limited-slip rear axle)
- Chrysler ELSD Rear Axle
- Jeep / Ram / Dodge limited-slip differentials
- Ford XY-75W85-QL factory fill

Asian OEM

- Toyota / Lexus 08885-02506, 08885-02606, 08885-81060
- Toyota / Lexus Gear Oil LT / LX
- Toyota JWS 2273
- Honda / Acura 08200-9014A, Hypoid Gear Oil HGO-1
- Nissan / Infiniti KDL38-75801P
- Mazda K020-01-SG1
- Hyundai / Kia / Genesis hypoid rear-axle service

Limited-slip note: TRIAX DTF-2 Professional carries integral friction modifiers and requires no separate LSD additive in clutch-type limited-slip differentials. Always confirm the OEM-specified viscosity grade and specification for the axle before filling.

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