



TRIAX DTF-2 Professional 75W-85

Full-Synthetic API GL-5 Hypoid Gear Oil — For Differentials, Final Drives & Transfer Cases with Limited-Slip Capability

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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 PAO/ester base oil platform and precision-tuned additive system — including extreme-pressure sulfur-phosphorus chemistry, integral friction modifiers for limited-slip differentials, and corrosion inhibitors for ferrous and yellow-metal components — delivers 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. Supports fill-for-life service in properly sealed differentials when the OEM does not specify a change interval.

PERFORMANCE HIGHLIGHTS

- Built-in friction modifiers for limited-slip differentials — prevents shudder, chatter, and stick-slip in clutch-type LSDs without requiring aftermarket friction modifier additives
- **API GL-5 extreme-pressure protection:** sulfur-phosphorus EP additive system protects hypoid ring-and-pinion gearsets under sustained high-torque, high-speed, and shock-load conditions
- **Full-synthetic PAO/ester base oil platform** delivers superior thermal stability, oxidation resistance, and viscosity retention vs. conventional and synthetic-blend gear oils
- Excellent corrosion protection for brass, bronze, copper, and aluminum alloy components — safe for synchros and yellow-metal bushings in transfer cases
- Exceptionally smooth gear engagement and frictional stability — eliminates ratcheting, chatter, and harsh lockup in limited-slip and locking differentials
- Fill-for-life service in properly sealed differentials and transfer cases when the vehicle OEM does not specify a change interval

USE IN DIFFERENTIALS, FINAL DRIVES, AND TRANSFER CASES REQUIRING API GL-5. DO NOT USE in synchronized manual transmissions or trans-axes requiring an API GL-4 lubricant — the GL-5 EP additive package will chemically attack yellow-metal synchros (brass/bronze) and cause synchro damage and uncontrolled slippage. Always consult the vehicle owner's manual.

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.

API GL-5 licensed and meets or exceeds the following industry and OEM specifications:

- API GL-5, MT-1, MIL-PRF-2105E, SAE J2360
- BMW / Mini Hypoid Axle Oil G1, G2, G3 (Castrol BOT 448)
- BMW / Mini P/N 83 12 0 445 838, 83 22 2 295 532, 83 22 2 413 511/512, 83 22 2 447 362
- Mercedes-Benz 231.1, 235.15, 235.62, 235.7, 235.74, 239.71, 239.72
- Ford WSS-M2C942-A / XY-75W85-QL
- GM 9986551, 19300457, 19418501, 88862826, 92184900, SAF Carbon Mod, SAF-EH MOD LV
- Chrysler / Stellantis MS-A0450 (Mopar LL Hypoid)
- Toyota / Lexus 08885-02506, 08885-02606, 08885-81060, Gear Oil LT/LX
- Honda / Acura 08200-9014A, Hypoid Gear Oil HGO-1
- VW/Audi/Volvo G 052 513; Nissan/Infiniti KDL38-75801P; Mazda K020-01-SG1

➔ **For Full Specs & Applications List See [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

OEM SPECIFICATIONS & PART NUMBER CROSS-REFERENCE

Complete list of OEM specifications, part numbers, and brand applications covered by TRIAX DTF-2 Professional 75W-85. All references to OEM part numbers are for fluid identification purposes only; no affiliation or endorsement is claimed.

Industry & Military Specifications

API: GL-5, MT-1

Military: MIL-PRF-2105E

SAE: J2360 (qualified gear oil), Viscosity Grade 75W-85 (also satisfies 75W-80, 80W, 85W)

BMW / Mini

BMW Hypoid Axle Oil: G1, G2, G3

Castrol BOT 448: (industry equivalent)

Part Numbers: 83 12 0 445 838, 83 22 2 295 532, 83 22 2 413 511, 83 22 2 413 512, 83 22 2 447 362

Mercedes-Benz

Sheet Specifications: MB 231.1, MB 235.15, MB 235.62, MB 235.7, MB 235.74, MB 239.71, MB 239.72

Part Numbers: A 000 989 73 04, A 000 989 88 03, A 001 989 59 03, A 0012 989 33 03, A 002 989 02 03

Ford / Lincoln

Specification: WSS-M2C942-A

Part Number: XY-75W85-QL

GM (Chevrolet, GMC, Buick, Cadillac)

Specifications: SAF Carbon Mod, SAF-EH MOD LV

Part Numbers: 9986551, 19300457, 19418501, 88862826, 92184900

Chrysler / Stellantis (Jeep, Ram, Dodge, Fiat, Alfa Romeo)

Specification: MS-A0450 (Mopar Limited Slip Hypoid Gear Oil)

Part Numbers: 05136035AA, 68083381AA, 68210057AA, 68218654AA, 68232948AA, 68237820AA, 68333589AA, 68378949AA

Toyota / Lexus

Gear Oils: Gear Oil LT, Gear Oil LX

Part Numbers: 08885-02506, 08885-02606, 08885-81060

Honda / Acura

Hypoid Gear Oil: HGO-1

Part Number: 08200-9014A

Nissan / Infiniti

Part Number: KDL38-75801P

VW / Audi / Volvo

Specification: G 052 513

Hyundai / Kia / Genesis

Compatible: Factory-fill differential gear oils across Hyundai, Kia, and Genesis applications requiring API GL-5 75W-85 limited-slip-capable fluid.

Mazda

Part Number: K020-01-SG1

Additional Compatible Brand Applications

Suitable for differentials and final drives in: Jaguar, MG, and other passenger vehicles and light trucks specifying API GL-5 75W-85 with limited-slip capability.