

TRANSMATEC

ADVANCED GEAR & TRANSMISSION LUBRICANTS

Advanced transmission & driveline lubrication

Automatic & Manual Transmission Fluids • Gear Oils • Axle Lubricants



AZTEC OILS
THE LUBRICATION SPECIALISTS



TRANSMATEC

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Protecting Every Part of the Driveline

Modern transmissions operate under increasingly demanding conditions, requiring lubricants capable of protecting gears, bearings, synchronisers, clutches and hydraulic control systems while maintaining smooth operation and extended service life.

TRANSMATEC is a comprehensive range of transmission and driveline lubricants developed using premium mineral and synthetic base oils, including semi synthetic blends, together with advanced additive technology. The range provides dependable protection against wear, oxidation and deposit formation while supporting smooth shifting, transmission efficiency and long-term reliability.

Designed with practicality in mind, selected **TRANSMATEC** products can cover multiple transmission, gearbox and axle applications. This helps mixed-fleet operators simplify lubricant inventories, reduce the risk of incorrect product selection and lower overall operating costs.

TRANSMATEC products are rigorously evaluated against relevant industry standards and OEM performance requirements to provide dependable protection and reliable operation throughout the lubricant service interval.



Choosing the Correct Transmission Fluid

Transmission fluids are highly application specific. The correct lubricant must provide the required viscosity, friction characteristics, extreme-pressure performance and compatibility with transmission components and materials.

- **Automatic Transmission Fluids**

Designed for torque-converter automatic transmissions incorporating hydraulic control systems, planetary gearsets, wet clutches and friction-sensitive shift elements.

- **Continuously Variable Transmission Fluids**

Formulated with specialised friction characteristics for belt and chain driven continuously variable transmissions. Conventional automatic transmission fluids must not be substituted unless specifically permitted by the transmission manufacturer.

- **Dual-Clutch Transmission Fluids**

Developed for wet dual-clutch transmissions requiring combined gear protection, hydraulic control performance and carefully controlled clutch friction.

- **Manual Transmission Fluids**

Designed for manual gearboxes and transaxles, where synchroniser compatibility, shift quality, wear protection and low-temperature fluidity are critical.

- **Axle and Final-Drive Oils**

Extreme-pressure lubricants developed for hypoid gears, differentials and final drives operating under high sliding loads and shock conditions.

- **Limited-Slip Axle Oils**

Specialist axle lubricants incorporating friction-modifying technology to control clutch chatter and provide smooth limited-slip differential operation.

- **Off-Highway Transmission Fluids**

Designed for powershift transmissions, final drives, torque converters and oil-immersed braking systems used in construction, mining and other heavy-duty equipment.



Automatic & Specialist Transmission Fluids

TRANSMATEC automatic and specialist transmission fluids are formulated using carefully selected base oils and advanced additive technology to provide controlled friction performance, smooth shifting, reliable hydraulic operation and excellent protection against wear and oxidation.

The range includes conventional and multi-vehicle automatic transmission fluids, continuously variable transmission fluids and dual-clutch transmission fluids for passenger cars, commercial vehicles and specialist transmission applications.

Key Benefits

- ✓ Smooth and consistent shift performance
- ✓ Stable friction characteristics
- ✓ Excellent wear protection
- ✓ Strong thermal and oxidation stability
- ✓ Reliable hydraulic performance
- ✓ Compatibility with transmission seals and materials
- ✓ Support for extended service intervals and transmission durability



Understanding API GL-4 & GL-5

API GL-4 and GL-5 identify different performance levels for automotive gear lubricants.

API GL-4 oils are commonly used in manual transmissions, transaxles and moderate-duty gear systems. They provide effective wear and extreme-pressure protection while maintaining the friction characteristics required for smooth synchroniser operation.

API GL-5 oils provide higher extreme-pressure performance for heavily loaded hypoid axles, differentials and final drives operating under severe sliding and shock-load conditions.

A GL-5 lubricant should not be used as a direct replacement for a GL-4 lubricant unless specifically permitted by the equipment manufacturer. Products may differ in synchroniser compatibility, friction characteristics and suitability for copper-alloy components.

premium ATF range from...

TRANSMATEC

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TRANSMATEC ATF HD MV+

Premium synthetic heavy duty transmission fluid.

TRANSMATEC ATF MULTI-LV+

High-performance low viscosity automatic transmission fluid, particularly those with ZF 6, 8 & 9 speed gearboxes.

TRANSMATEC ATF MULTI-MB

Specialist low viscosity automatic transmission fluid, particularly developed for the latest generation MB automatic gearboxes.

Typical Specifications and applications

Conventional Automatic Transmission Fluids		
GTO054	TRANSMATEC ATF G	Ford ESW-M2C33G/F
GTO002	TRANSMATEC ATF D II	Allison C4; Caterpillar TO-2; Ford Mercon, M2C138-CJ, M2C166-H; GM Dexron II/IID; Mercedes-Benz 236.1, 236.7; ZF TE-ML 09, 11, 14
GTO001	TRANSMATEC ATF D III	Allison C4; Caterpillar TO-2; Ford Mercon; GM Dexron III; MAN 339 Z1, V1, Z2, V2; Mercedes-Benz 236.1, 236.5, 236.6, 236.7, 236.9; Voith 55.6335/55.6636; Volvo 97340, 97341; ZF TE-ML 02F, 03D, 04D, 09, 11A, 11B, 14A, 14B, 16L, 17C
Premium Multi-Vehicle Automatic Transmission Fluids *See Technical Data Sheets for full specification list		
GTO067	TRANSMATEC ATF HD MV+	Audi/VW G 052 162 (ZF Lifeguard Fluid 5), G 052 990, G055 025; Aisin Warner JWS 3309; Daimler Truck DTFR 13C100 (MB 236.1), DTFR 13C110 (MB 236.11), DTFR 13C140 (MB 236.7), DTFR 13C160 (MB 236.81), DTFR 13C170 (MB 236.9); GM Dexron III, IIIH; Mercedes-Benz 236.3, 236.5, 236.6, 236.10, 236.11; Volvo 1161521, 1161540, 1161640; Volvo Trucks 97340, 97341; ZF TE-ML 11; ZF 4, 5 & 6 speed transmissions.
GTO068	TRANSMATEC ATF MULTI-LV+	Aisin Warner AW-1; AW-2; JWS 3309 (T-IV); JWS 3324 (WS); Allison C4; Audi/VW Lifeguard Fluid 5, 6 & 8; Bentley PY112995PA; BMW ATF 7 (83 22 2 413 477); ATF 8 (83 22 5 A28 F03); Ford Mercon LV (WSS-M2C938-A); Mercon ULV (WSS-M2C949-A); GM Dexron VI; Honda Type 3.0; Type 3.1; DW-1; Jaguar O2JDE26444; JASO M315-2015 2A-02, 1A-LV; Land Rover LR023288, LR023289; Maserati 231603; PSA 16 350 560 80; ZF TE-ML 05L, 09, 11, 21L; ZF 6, 8 & 9 speed transmissions. Suitable for selected Tesla transmissions, including SK ATF 212-B.
GTO069	TRANSMATEC ATF MULTI-MB	Audi/VW G 052-540, G 055-005, G 055-162, G 060 162 (A1, A2, A6); BMW 83 22 0 142 516; Ford XT-10-QLV, XT-6-QSP; *Mercedes-Benz 236.12, 236.14, 236.15, 236.16, 236.17, 236.41; ZF S671 090 255, S671 090 310, S671 090 312, S671 090 312 *Performance claims are supported by field-trial data.
Specialist Transmission Fluids		
GTO037	TRANSMATEC CVT FLUID	BMW 83 22 0 136 376, 83 22 0 429 154; Chrysler, Jeep, Dodge NS-2, CVT +4; GM DEX CVT; Honda HMMF*, HCF 2, Z-1*, CVT*, Ultra HEVF-Type 1; Hyundai/Kia SP-III (CVT models); Mazda JWS 3320; MG Rover EM-CVT; Mini Cooper EZL 799A; Mitsubishi SP-III (CVT only); Nissan NS-1, 2, 2V, 3, N-CVT; Renault CVT CK/SK/FK; Subaru High Torque CVTF-LV Toyota CVTF TC, CVTF FE, THSII; Volvo CVT 4959; VW/Audi TL 521 80 (G052 180), TL 521 16 (G052 516) *Not suitable for applications with starting clutch.
GTO050	TRANSMATEC DCT FLUID	BMW DCTF-1, DCTF-1+, DCTF-2; BYD DCT Q/BYD-A1909.0058-2013; Fiat 9.55550-HE2, 955550-MZ6; Ford WSS-M2C200-D2 (XT-11-QDC), WSS-M2C218-A1, WSS-M2C936-A; Mitsubishi MZ320065; PSA 9734.S2; Porsche 999.917.080.00, 999.917.080.01; Volvo 1161838, 1161839; VW/Audi TL 52529 (G 052 529 A2/A6), 52182 (G 052 182 A2/A6); VW Golf GTE DQ400E

Manual Transmission & Gear Oils

TRANSMATEC manual transmission and gear oils are formulated to provide reliable protection for gears, bearings and synchronising components while supporting smooth, precise gear selection. Available in mineral, semi synthetic and fully synthetic formulations, the range covers passenger-car manual transmissions, commercial vehicle gearboxes, transaxles and heavy-duty driveline applications.

Product selection must consider viscosity grade, API service classification, synchroniser compatibility, axle or gearbox design and the specific OEM lubricant requirement.

Fully Synthetic Manual Transmission and Driveline Oils		
GTO080	TRANSMATEC FS-4 75W FE	API GL-4; BMW 23 00 1 434 404, 23 00 7 533 818, 83 22 0 396 706, 83 22 2 239 654, 83 22 2 239 655, 83 22 2 167 666, 83 22 2 156 969; Fiat 9.55550-MZ2; Ford WSS-M2C200-D2; GM 95599883; Jaguar Land Rover GX73-M1R564-AA; Mercedes-Benz 235.10; 235.71; 236.24; Nissan 32001 1BYOA, LV MTF-1; PSA 9730 A8; Toyota 08885-81001, 08885-81081; VW G 052 171 A1/A2 (TL 521 71), G 052 178 A2 (TL 521 78), G 052 512 A2 (TL 525 12), G 052 527 A2, G 052 549, G 052 798, G 052 726 A2, G 055 726 A2, G 060 726 A2, G 070 726 A2
GTO083	TRANSMATEC FS-4 75W-80 PLUS	API GL-4; BMW LT-1, LT-2, LT-3, LT-4, LT-5; Fiat 9.55550-MZ5; Ford ESD-M2C186-A, WSS-M2C200-C/C2/C3, WSS-M2C200-D/D2; GM/Opel 1940182, 1940711, 1940757, 1940768, 1940776; Honda 08261-99964 (Ultra MTF-III), 08798-9031 (MTF-7289), MTF-II, MTF-III; Hyundai/Kia 02200-00130 TOD; Land Rover MTF 94, STC 9157, STC 9158, TYK500030; Mercedes-Benz 235.10; Mitsubishi 3005401, MZ312644; Nissan 999MP-MTF20P, KE91699932R (MT-XZ 75W-80); PSA B71 2330, B71 2315; Subaru K0321-F0090; Toyota 08885-00705, JWS 227; Volvo 1161681, 1161745; Volvo 97308, 97309; VW Amarok 0C6, G 009 317 A2, G 052 171 A1/A2, G052 512, G 052 532, G 055 538 A2, TL 525 32
GTO084	TRANSMATEC FS-4 75W-90 PLUS	API GL-4; BMW MTF LT-4; Ford M2C175-A, WSS-M2C200-B/C; Opel B 040 1043; Mercedes-Benz 235.72; VW 501.50, G 005 000, G 052 145 (A2), G 052 157, G 052 190, G 052 911 A1/A2, G50, G51 Suitable for selected applications specifying an SAE 75W-85 API GL-4 lubricant.
GTO041	TRANSMATEC FS-4 75W-80	API GL-4; MAN 341 Z1/Z2/E1; Mercedes-Benz 235.5; MIL-L-2105; MTF 94; Volvo 97305/97307; ZF TE-ML 02A, 02B, 16K
GTO055	TRANSMATEC FS-4 75W-80 ECO Z	API GL-4; MAN 341 Type Z5; Mercedes-Benz 235.41; Volvo 97307; ZF TE-ML 01L, 02L, 16K

Total Driveline Lubricants

TRANSMATEC TDL lubricants are designed for selected manual transmission and axle applications, allowing a single lubricant to cover multiple driveline components where the listed specifications permit. This can simplify lubricant inventories and reduce misapplication risk, particularly in mixed commercial and off-highway fleets.

Not suitable for transmissions incorporating copper-containing synchronisers

GTO013	TRANSMATEC FS 75W-80 TDL	API GL-4, GL-5; MAN 341 Z1/Z2/E1; MIL-L-2105; ZF TE-ML 02B, 07A, 08, 17B
GTO025	TRANSMATEC FS 75W-90 TDL	API GL-4, GL-5, MT-1; MAN M3343 Type S; Mack GO-J; Scania STO 1:0; MIL-PRF-2105E; SAE J2360; Volvo 97312; ZF TE-ML 02B, 05A, 07A, 08, 16B, 17B, 21A
GTO023	TRANSMATEC FS 75W-140 TDL	API GL-4, GL-5; Scania STO 1:0A; ZF TE-ML 05A, 17B, 21A
Semi Synthetic		
GTO047	TRANSMATEC SS-5 75W-80	API GL-4
GTO021	TRANSMATEC SS-5 75W-80	API GL-5; ZF TE-ML 02B
GTO022	TRANSMATEC SS-5 75W-90	API GL-5; ZF TE-ML 05
GTO014	TRANSMATEC HD-5 80W-90	API GL-4, GL-5, MT-1; Arvin Meritor 076-D; Mack GO-J; MAN M3343, 342 Type M2; Mercedes-Benz 235.0; MIL-PRF-2105E; NATO O-226; SAE J2360; Scania STO 1:0; ZF TE-ML 02B, 05A, 07A, 08, 16B, 16C, 17B, 21A Not suitable for transmissions incorporating copper-containing synchronisers.
Mineral Multigrade		
GTO007	TRANSMATEC EP-4 80W-90	API GL-4; MIL-L 2105
GTO008	TRANSMATEC EP-5 80W-90	API GL-5; MIL-L 2105D
GTO042	TRANSMATEC EP-4 85W-140	API GL-4
GTO009	TRANSMATEC EP-5 85W-140	API GL-5; MIL-L 2105D

Limited-Slip Axle Oils

TRANSMATEC TRANS-4 oils are specialised transmission and drivetrain fluids formulated for powershift transmissions, torque converters, final drives and oil-immersed braking systems requiring Caterpillar TO-4-type performance. Their controlled friction characteristics, wear protection and oxidation stability support reliable operation in construction, mining and other severe-duty equipment.

GTO048	TRANSMATEC SS-5 75W-90 LS	API GL-5 LS; ZF TE-ML 05D, 21C
GTO017	TRANSMATEC EP-5 80W-90 LS	API GL-5 LS; MIL-L 2105D; ZF TE-ML 05C, 21C
GTO052	TRANSMATEC EP-5 85W-140 LS	API GL-5 LS; Mack GO-H; US MIL-PRF-2105D; ZF TE-ML 05C, 12C

Off-Highway Transmission Oils

TRANSMATEC TRANS-4 oils are specialised transmission and drivetrain fluids formulated for powershift transmissions, torque converters, final drives and oil-immersed braking systems requiring Caterpillar TO-4-type performance. Their controlled friction characteristics, wear protection and oxidation stability support reliable operation in construction, mining and other severe-duty equipment.

GTO026	TRANSMATEC TRANS-4 10W	Allison C4; Caterpillar TO-4; Komatsu KES 07.868.1; ZF TE-ML 03C
GTO027	TRANSMATEC TRANS-4 30	Allison C4; Caterpillar TO-4; Komatsu KES 07.868.1; ZF TE-ML 03C, 07F
GTO029	TRANSMATEC TRANS-4 50	Allison C4; Caterpillar TO-4; ZF TE-ML 03C



Technical support you can depend on



Correct transmission fluid selection is essential because products of similar appearance or viscosity can have substantially different friction, wear and material compatibility characteristics.

Our experienced technical team supports customers with product selection, OEM specification matching, mixed-fleet rationalisation, lubricant conversions and application troubleshooting across passenger car, commercial vehicle, agricultural and off-highway driveline systems.

Our dedicated laboratory team continually monitors product quality, performance and compliance, ensuring customers receive consistent, reliable transmission and driveline lubricants supported by practical technical expertise.

Email: **Technical@aztecoils.co.uk**



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