

## **Castrol® Transmax® ATF/CVT Universal**

### Product Application Document

**Castrol Transmax ATF/CVT Universal** is a technologically advanced full synthetic formulation designed to deliver excellent performance in most of the traditional stepped automatic transmissions and Continuously Variable Transmissions currently in use. It is blended with premium base oils and an additive package that utilizes Castrol Smooth Drive® Technology. This is the first Castrol multi-vehicle ATF suitable for use in both step-shifting and continuously variable automatic transmissions. Castrol Transmax® ATF/CVT Universal is suitable for use in vehicles manufactured in North & South America, Europe, and Asia.

### **Features and Benefits**

- Enhanced friction durability for smooth transmission performance
- Superior high temperature protection to effectively resist oxidation
- Unsurpassed protection against copper corrosion
- Broad scope of vehicle applications improves workshop efficiency and inventory management

### **Suitable for use\* in the following Step Shifting Transmission Applications:**

- GM – All vehicles Calling for DEXRON®-VI or previous
- Ford – All vehicles from 1983 to current model year
- Audi - All six-speed automatic transmissions
- BMW - All six-speed automatic transmissions
- Honda/Acura ATF-Z1, ATF DW-1
- Hyundai - All applications that require automatic transmission fluid
- Isuzu – All vehicles that require DEXRON® III
- Jaguar - All six-speed automatic transmissions
- Kia - All applications that require automatic transmission fluid
- Mazda ATF M-III, MV, T-IV, JWS 3317, FZ
- Mercedes 236.1, 236.2, 236.5, 236.6, 236.7, 236.8, 236.9, 236.11, 236.12, 236.14, 236.15, 236.16, 236.17, 236.41
- Mini Cooper - All six-speed automatic transmissions
- Mitsubishi - All applications that require automatic transmission fluid
- Nissan/Infiniti - All applications that require automatic transmission fluid
- Peugeot - All six-speed automatic transmissions
- Porsche - All six-speed automatic transmissions
- Saab - All six-speed automatic transmissions

\*"Suitable for use" means that, based on testing (and technical judgments) by Castrol (and its suppliers), a fluid meets the performance requirements and other attributes of a particular specification, making it suitable for use in that specification. This is compared to an "OEM Approved" fluid which has gone through the OEM approval process and has been formally approved by the OEM for use in a particular specification.

When performing a transmission fluid change with any Transmax multi-vehicle ATF, Castrol guidance to IWS/quick lubes/transmission specialists is that all measures must be taken to ensure that any existing fluid in the vehicle is removed first. Castrol cannot guarantee performance of mixed fluids. When draining fluid from a transmission, ensure that the entire system is drained as much as physically possible before re-filling with Castrol fluid. Always refer to OEM manuals and maintenance bulletins to ensure that any equipment-specific considerations are kept in mind.

- Saturn – All vehicles that require T IV (JWS 3309)
- Subaru - All applications that require automatic transmission fluid
- Suzuki - All applications that require automatic transmission fluid
- Toyota/Lexus - All applications that require automatic transmission fluid
- Volkswagen - All six-speed automatic transmissions
- Volvo - All six-speed automatic transmissions
- ZF 3 through 9 speed automatic transmissions
- Various Domestic/European vehicles where DEXRON® IIIH or prior is required

**Suitable For Use in the following CVT applications:**

Audi Multitronic  
BMW Mini Cooper  
Chery CVT  
Daihatsu AMMIX  
Daihatsu Fluid TC  
Ford CVT  
Fujijyuuko i-CVT  
GM/Saturn DEX-CVT  
Honda CVT\*\*  
Hyundai/Kia CVT  
Idemitsu CVT  
Lexus Fluid TC, Fluid FE  
Mazda JWS 3320  
MG Rover EM-CVT  
Mini Cooper CVT  
Mitsubishi CVTF  
Mitsubishi Diaqueen) CVT  
Mitsubishi CVTF ECO J4  
Nissan NS-1, -2, -3  
Punch CVT  
Renault Elf Matic CVT  
Shell Green 1V  
Subaru iCVT  
Subaru Lineartronic CVT  
Suzuki CVT  
Toyota CVT  
Volvo CVT  
VW/Audi CVT

\*\*Transmax ATF/CVT Universal is suitable for use in all of Honda CVTs except 2001-2007 Model Honda Fit/Jazz which are equipped with Starting Clutch

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**Detailed Step Shifting Automatic Transmission Applications:**

Acura ATF Z-1  
Aisin Warner JWS 3309 (T-IV) & JWS 3324 (WS), AW-1  
Aisin Warner T IV  
AS 68 RC (T IV)  
ATF RED 1, RED 1K  
Audi 5 HP LT 71141 (ZF 5 HP 18FL/19FL/24A)  
Audi 5 HP LT 71141 (Audi G-052-162-A1/A2)  
Audi 5 HP (ZF 5 HP 30)  
Audi G-055-025-A2 (JWS 3309)  
Audi G 052 025 A2  
Audi G 052 055  
Audi G 053 025 A2  
Audi G 052 162 A1/A2  
Audi G 052 162 (ZF Lifeguardfluid 5), (ZF No.S671 090 170)  
Audi G 055 162 A2, A6 (ZF Lifeguardfluid 6), (ZF No.S671 090 281)  
Audi G 060 162 (ZF Lifeguardfluid 8), (ZF No.S671 090 312)  
Audi G 052 190 A2  
Audi G 052 990 A2  
Audi G 055 540 (A2)  
Audi G 055 005 A2  
Audi G 055 025 A2 (JWS3309)  
Bentley PY112995PA  
BMW ETL-7045  
BMW ETL-7045E  
BMW LA2634  
BMW 5 HP LT 71141(ZF 5 HP 18FL/19FL/24A)  
BMW 5 HP (ZF 5 HP 18FL, 5HP24, 5HP30)  
BMW ETL-8072B  
BMW/Mini JWS 3309  
Bosch TE-ML 09  
Daewoo LT 71141  
Daihatsu AMMIX ATF D-II  
Daihatsu AMMIX ATF D-III SP  
Esso LT 71141  
Ford - All vehicles that require ATF from 1983 through Current model year  
Ford Mercon®  
Ford Mercon® V  
Ford FNR5 (Mazda M5, XT-9-QMMS)  
Ford WSSM2C 138CJ, 166H  
Ford WSS M2C922A1, (24A (XT-8-QAW) JWS 3309  
Ford/Lincoln/Mercury XT-2-QDX (M)  
Ford/Lincoln/Mercury XT-2-QSM (Syn)  
Ford ESP-M2C166H, XL-12  
Fuso ATF-II

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**Detailed Step Shifting Automatic Transmission Applications (continued):**

Fuso ATF-SPIII

Fuso ATF-A4

GM – All Vehicles that require DEXRON®-VI or Previous ATFs

GM 9986195 (Aisin AW, JWS 3309)

GM AW 1

GM DEXRON-II

GM DEXRON-IIIH

GM TASA

GM T IV ATF

GM WS ATF

GM 1940700

GM 1940767

GM 21005966

GM 22717466

GM 88900925

GM 93160393

GM/GMC/Opel/Saturn AW1

GM/GMC/Opel/Saturn VI

GM/GMC/Opel/Saturn 88863400

GM/GMC/Opel/Saturn 88863401

Hino Blue Ribbon ATF

Honda/Acura Z-1

Honda/Acura Premium

Honda ATF Ultra II

Honda Type 3.0

Honda Type 3.1

Hyundai Diamond SP-II

Hyundai Diamond SP-III

Hyundai Diamond SP-IV

Hyundai Diamond SP-IV-M

Hyundai Diamond SPH-IV

Hyundai/Kia SP-IV (00232-1904/04500-00115)

Hyundai/Kia SP-IV M (SP4-M)

Hyundai/Kia SPH-IV

Hyundai/Kia SP-IV-RR

Hyundai/Kia SP-III

Hyundai/Kia Dex-II/SP-II

Hyundai/Kia JWS 3314

Hyundai/Kia NWS 9638

Hyundai/Kia 040000C90SG

Hyundai/Kia NUMM040 CH20 Red-1

Idemitsu K17 3100 PL085

Infinity Matic-D

Infinity Matic-J

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**Detailed Step Shifting Automatic Transmission Applications (continued):**

Infinity Matic-K  
Infinity Matic-S  
Isuzu Besco ATF II  
Isuzu Besco ATF III  
Isuzu Besco ATF SP  
Isuzu SCS Fluid  
Isuzu 08200-9001  
Isuzu Genuine ATF  
Jaguar ATF 3403 M115, ATF 3403-M115  
Jaguar ATF 71141, ZF 5HP24  
Jaguar JLM 20238  
Jaguar ATF 3403 JLM20238  
Jaguar K17  
Jaguar JLM 20292  
Jaguar Fluid8432  
JASO 1A (M315-2004)  
JASO M315-2013 1A  
JASO M315-2013 1A-LV  
JASO M315-2013 2A  
Jaguar WSS-M2C922-A1  
Kia SP-II  
Kia SP-III  
Kia SP-IV  
Kia SP-IVM  
Kia Red-1  
Land Rover ATF M-1375.4  
Land Rover LR023288  
Lexus JWS 3309  
Mazda ATF D-II  
Mazda ATF MIII  
Mazda ATF M-V  
Mazda ATF FZ  
Mazda ATF F-1  
Mazda ATF S-1  
Mazda ATF N-1  
Mazda ATF 3317  
MB 236.1  
MB 236.2  
MB 236.5  
MB 236.6  
MB 236.7  
MB 236.8  
MB 236.9  
MB 236.10

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**Detailed Step Shifting Automatic Transmission Applications (continued):**

MB 236.11  
MB 236.12  
MB 236.14  
MB 236.15  
MB 236.16  
MB 236.17  
MB 236.41  
MB ZF 4HP20  
Mini Cooper T-IV  
Mitsubishi Diamond Queen ATF-J2  
Mitsubishi Diamond SP  
Mitsubishi Diamond SP-II  
Mitsubishi Diamond SP-III  
Mitsubishi Diamond SP-IV  
Mitsubishi Diamond SP-IV-M  
Mitsubishi Diaqueen SK  
Mitsubishi Diaqueen SP-II  
Mitsubishi Diaqueen SP-III  
Mitsubishi Diaqueen SP-IV  
Mitsubishi Diaqueen AW  
Mitsubishi Diaqueen J2  
Mitsubishi Diaqueen J3  
Mitsubishi Diaqueen ATF-MA-1  
Mitsubishi Diaqueen ATF PA  
NAG1 (Chrysler, Jeep, Cherokee)  
Nissan ATF  
Nissan Matic-D  
Nissan Matic-J  
Nissan Matic-K  
Nissan Matic-S  
Opel/GM 19 40 700  
Opel/GM 19 40 767  
Opel/GM 21005966 Transaxle  
Opel/GM 22017466  
Opel/GM 88900925  
Opel/GM 9986195  
Peugeot ZF 4HP20  
Peugeot/Citreon Z 000169756  
Peugeot/Citreon (PSA) AL4 Automatic Gearbox oil (#9730.AE)  
Porsche ZF 5HP19FL  
Porsche ZF 5HP20  
Porsche ATF 3403-M115  
Porsche LT 71141  
Porsche T IV (JWS 3309)

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**Detailed Step Shifting Automatic Transmission Applications (continued):**

Porsche 000 0430205 09  
Porsche 999 917 547 00 (A2)  
Porsche 000 043 205 28  
Porsche Z 000169756  
Renault DPO/AL4  
Renault Matic D2  
Renault Samsung SATF-D  
Saab T IV (JWS 3309)  
SAAB 93 165 147  
Saab 93 160 393  
Saturn T IV (JWS 3309)  
Scion (All Vehicles)  
Shell ATF 3405  
Shell M115  
Shell 12108  
Shell LA 2634  
Ssang yong DSIH 5N-66  
Subaru ATF  
Subaru ATF-HP  
Subaru Dexron-II  
Subaru K0140Y0700  
Subaru ATF 5AT  
Suzuki ATF AW-1  
Suzuki AT Oil 5D06  
Suzuki ATF 2306  
Suzuki ATF 2384K  
Suzuki ATF 3309  
Suzuki ATF 3314  
Suzuki ATF 3317  
Texaco ETL-7045E  
Texaco ETL-8072B  
Texaco N402  
Toyota ATF D-II  
Toyota ATF D-III  
Toyota Type T  
Toyota Type T-II  
Toyota Type T-III  
Toyota Type T-IV (JWS 3309)  
Toyota Type WS (Hybrid)  
Toyota Type WS (JWS 3324)  
Volvo T IV (JWS 3309)  
Volvo 97325  
Volvo 97335  
Volvo CE 97340

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**Detailed Step Shifting Automatic Transmission Applications (continued):**

Volvo 97341  
Volvo P/N 1161621  
Volvo P/N 1161450/1161640  
Volvo P/N 31256774/31256675  
Volvo P/N 11614540-8  
VW 5 HP LT 71141 (ZF 5 HP 18FL/19FL/24A)  
VW 5 HP LT 71141 (VW G-052-162-A1/A2)  
VW 5 HP (ZF 5 HP 30)  
VW G-055-025-A2 (JWS 3309)  
VW P/N G 052 025 A2  
VW P/N G 052 055  
VW P/N G 052 162 (ZF Lifeguardfluid 5)  
VW P/N G 052 990 A2  
VW P/N G 055 005  
VW P/N G 055 005 A2  
VW P/N G 055 162 A2, A6 (ZF Lifeguardfluid 6 Plus)  
VW P/N G 055 540 A2  
VW P/N G 052 25  
VW P/N G 060 162 (ZF Lifeguardfluid 8)  
VW P/N GUS 000 162  
VW TL 521 62  
ZF all 3 & 4 Speed Transmissions  
ZF 8-Speed & 9-Speed Transmissions

**Detailed Continuously Variable Transmission Applications:**

Audi Multitronic  
BMW Mini Cooper EZL 799/ 83 22 0 136 376/ 83 22 0 429 154  
Chery CVT  
Daihatsu AMMIX CVTF DFE  
Daihatsu AMMIX CVT Fluid DC  
Daihatsu AMMIX CVT Fluid DFC  
Daihatsu Fluid TC  
Ford WSD-M2C-199A  
Fujijyuuko i-CVTF FG  
GM/Saturn DEX-CVT  
Honda Multimatic HMMF \*\*  
Honda HCF2\*\*  
Honda Z-1 (CVTmodel)\*  
Honda CVT\*\*  
Hyundai/Kia CVT-1  
Hyundai/Kia SP III (CVT model)  
Idemitsu CVTS-EX1  
Lexus Fluid TC, Fluid FE  
Mazda JWS 3320

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**Detailed Continuously Variable Transmission Applications (continued):**

MG Rover EM-CVT  
Mini Cooper EZL/EZL 799A.ZF CVT V1  
Mitsubishi CVTF-J1 (MMC Diaqueen CVT Fluid J1)  
Mitsubishi CVTF-J4 and -J4+ (MMC Diaqueen CVT Fluid J4 and J4+)  
Mitsubishi (Diaqueen) SP-III (CVT model only)  
Mitsubishi CVTF ECO J4  
Nissan NS-1, -2, -3  
Punch CVT (without starting clutch)  
Renault Elf Matic CVT  
Shell Green 1V  
Subaru iCVT, iCVT FG, ECVT  
Subaru Lineartronic chain CVT and CVT II Fluid, K0425Y0710  
Subaru Lineartronic High Torque (HT) CVT Fluid, CV-30, K0421Y0700  
Subaru NS-2 Yes Suzuki CVTF TC  
Suzuki CVTF 3320 & Suzuki CVTF 4401  
Suzuki NS-2  
Suzuki CVT Green 1 & 2  
Suzuki CVT Green 1V  
Toyota CVTF TC & FE  
Volvo CVT 4959  
VW/Audi TL 521 16 (G 052 516)  
VW/Audi TL 521 80 (G 052 180)

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