



**TRANSMAX** ATF/CVT UNIVERSAL

# Product Application Document

## Castrol Transmax ATF/CVT Universal

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. It is also suitable for use in a range of Hybrid applications. 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, excluding Mercon® ULV applications
- Chrysler – All vehicles calling for ATF+4® or previous
- 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



- 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

### Suitable For Use in the following Hybrid applications:

- Ford Escape Hybrid with eCVT
- Honda e:HEV
- Honda iMMD
- Jatco JR712E
- Jatco CVT 8 Hybrid Mazda SKYACTIVE-HYBRID
- Nissan ePower
- Nissan Altima Hybrid
- Tesla Model S and Model 3
- Toyota THSII/Toyota Prius
- Toyota THS 5th Gen. / Toyota Noah
- Voxy etc.

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## Detailed Step Shifting Automatic Transmission Applications:

| OEM/ATF        | Application                                                       | OEM/ATF            | Application                                                                             |
|----------------|-------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------|
| <b>Acura</b>   | Acura ATF Z-1                                                     |                    | BMW ETL-7045                                                                            |
| <b>Aisin</b>   | Aisin Warner JWS 3309 (T-IV) & JWS 3324 (WS), AW-1                |                    | BMW ETL-7045E                                                                           |
|                | Aisin Warner T IV                                                 |                    | BMW LA2634                                                                              |
| <b>ATF</b>     | ATF RED 1, RED 1K                                                 | <b>BMW</b>         | BMW 5 HP LT 71141 (ZF 5 HP 18FL/19FL/24A)                                               |
|                | Esso LT 71141                                                     |                    | BMW 5 HP (ZF 5 HP 18FL, 5HP24, 5HP30)                                                   |
|                | Idemitsu K17 3100 PL085                                           |                    | BMW ETL-8072B                                                                           |
|                | Shell ATF 3405                                                    |                    | BMW/Mini JWS 3309                                                                       |
|                | Shell M115                                                        |                    | BMW ATF 7                                                                               |
|                | Shell 12108                                                       | <b>Bosch</b>       | Bosch TE-ML 09                                                                          |
|                | Shell LA 2634                                                     | <b>Caterpillar</b> | CAT TO-2                                                                                |
|                | Ssang yong DSIH 5N-66                                             | <b>Chrysler</b>    | Chrysler ATF+4® or previous                                                             |
| <b>Audi</b>    | Audi 5 HP LT 71141 (ZF 5 HP 18FL/19FL/24A)                        |                    | Chrysler 68049954AC                                                                     |
|                | Audi 5 HP LT 71141 (Audi G-052-162-A1/A2)                         |                    | AS 68 RC (T IV)                                                                         |
|                | Audi 5 HP (ZF 5 HP 30)                                            |                    | JEEP ATF+3                                                                              |
|                | Audi G-055-025-A2 (JWS 3309)                                      |                    | NAG1 (Chrysler, Jeep, Cherokee)                                                         |
|                | Audi G 052 025 A2                                                 | <b>Daihatsu</b>    | Daihatsu AMMIX ATF D-II                                                                 |
|                | Audi G 052 055                                                    |                    | Daihatsu AMMIX ATF D-III SP                                                             |
|                | Audi G 053 025 A2                                                 | <b>Ford</b>        | Ford – All vehicles from 1983 to current model year, excluding Mercon® ULV applications |
|                | Audi G 052 162 A1/A2                                              |                    | Ford Mercon®                                                                            |
|                | Audi G 052 162 (ZF Lifeguardfluid 5), (ZF No.S671 090 170)        |                    | Ford Mercon® V                                                                          |
|                | Audi G 055 162 A2, A6 (ZF Lifeguardfluid 6), (ZF No.S671 090 281) |                    | Ford FNR5 (Mazda M5, XT-9-QMMS)                                                         |
|                | Audi G 060 162 (ZF Lifeguardfluid 8), (ZF No.S671 090 312)        |                    | Ford WSSM2C 138CJ, 166H                                                                 |
|                | Audi G 052 190 A2                                                 |                    | Ford WSS M2C922A1, (24A (XT-8-QAW) JWS 3309)                                            |
|                | Audi G 052 990 A2                                                 |                    | Ford/Lincoln/Mercury XT-2-QDX (M)                                                       |
|                | Audi G 055 540 (A2)                                               |                    | Ford/Lincoln/Mercury XT-2-QSM (Syn)                                                     |
|                | Audi G 055 005 A2                                                 |                    | Ford ESP-M2C166H, XL-12                                                                 |
|                | Audi G 055 025 A2 (JWS3309)                                       |                    |                                                                                         |
| <b>Bentley</b> | Bentley PY112995PA                                                |                    |                                                                                         |

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| OEM/ATF        | Application                                                | OEM/ATF             | Application                                |
|----------------|------------------------------------------------------------|---------------------|--------------------------------------------|
| <b>GM</b>      | GM – All Vehicles that require DEXRON®-VI or Previous ATFs | <b>Hyundai/Kia</b>  | Hyundai/Kia SP-IV (00232-1904/04500-00115) |
|                | GM 9986195 (Aisin AW, JWS 3309)                            |                     | Hyundai/Kia SP-IV M (SP4-M)                |
|                | GM AW 1                                                    |                     | Hyundai/Kia SP-IV M1 (SP4-M1)              |
|                | GM DEXRON-II                                               |                     | Hyundai/Kia SPH-IV                         |
|                | GM DEXRON-IIIH                                             |                     | Hyundai/Kia SP-IV-RR                       |
|                | GM TASA                                                    |                     | Hyundai/Kia SP-III                         |
|                | GM T IV ATF                                                |                     | Hyundai/Kia Dex-II/SP-II                   |
|                | GM WS ATF                                                  |                     | Hyundai/Kia JWS 3314                       |
|                | GM 1940700                                                 |                     | Hyundai/Kia NWS 9638                       |
|                | GM 1940767                                                 |                     | Hyundai/Kia 040000C90SG                    |
|                | GM 21005966                                                |                     | Hyundai/Kia NUMM040 CH20 Red-1             |
|                | GM 22717466                                                | <b>Infinity</b>     | Infinity Matic-D                           |
|                | Daewoo LT 71141                                            |                     | Infinity Matic-J                           |
|                | GM 88900925                                                |                     | Infinity Matic-K                           |
|                | GM 93160393                                                |                     | Infinity Matic-S                           |
|                | GM/GMC/Opel/Saturn AW1                                     |                     | Isuzu Besco ATF II                         |
|                | GM/GMC/Opel/Saturn VI                                      | <b>Isuzu</b>        | Isuzu Besco ATF III                        |
|                | GM/GMC/Opel/Saturn 88863400                                |                     | Isuzu Besco ATF SP                         |
|                | GM/GMC/Opel/Saturn 88863401                                |                     | Isuzu SCS Fluid                            |
|                | Saturn T IV (JWS 3309)                                     |                     | Isuzu 08200-9001                           |
|                |                                                            |                     | Isuzu Genuine ATF                          |
| <b>Hino</b>    | Hino Blue Ribbon ATF                                       | <b>Jaguar/ Jama</b> | Jaguar ATF 3403 M115, ATF 3403-M115        |
| <b>Honda</b>   | Honda/Acura Z-1                                            |                     | Jaguar ATF 71141, ZF 5HP24                 |
|                | Honda/Acura Premium                                        |                     | Jaguar JLM 20238                           |
|                | Honda ATF Ultra II                                         |                     | Jaguar ATF 3403 JLM20238                   |
|                | Honda Type 3.0                                             |                     | Jaguar K17                                 |
|                | Honda Type 3.1                                             |                     | Jaguar JLM 20292                           |
| <b>Hyundai</b> | Hyundai Diamond SP-II                                      |                     | Jaguar Fluid8432                           |
|                | Hyundai Diamond SP-III                                     |                     | JASO 1A (M315-2004)                        |
|                | Hyundai Diamond SP-IV                                      |                     | JASO M315-2013 1A                          |
|                | Hyundai Diamond SP-IV-M                                    |                     | JASO M315-2013 1A-LV                       |
|                | Hyundai Diamond SPH-IV                                     |                     | JASO M315-2013 2A                          |
|                |                                                            |                     | Jaguar WSS-M2C922-A1                       |

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## Detailed Step Shifting Automatic Transmission Applications:

| OEM/ATF              | Application             | OEM/ATF           | Application                      |
|----------------------|-------------------------|-------------------|----------------------------------|
| <b>Kia</b>           | Kia SP-II               | <b>Mitsubishi</b> | Mitsubishi Diamond Queen ATF-J2  |
|                      | Kia SP-III              |                   | Mitsubishi Diamond SP            |
|                      | Kia SP-IV               |                   | Mitsubishi Diamond SP-II         |
|                      | Kia SP-IVM              |                   | Mitsubishi Diamond SP-III        |
|                      | Kia Red-1               |                   | Mitsubishi Diamond SP-IV         |
| <b>Land Rover</b>    | Land Rover ATF M-1375.4 |                   | Mitsubishi Diamond SP-IV-M       |
|                      | Land Rover LR023288     |                   | Mitsubishi Diaqueen SK           |
| <b>Lexus</b>         | Lexus JWS 3309          |                   | Mitsubishi Diaqueen SP-II        |
| <b>Mazda</b>         | Mazda ATF D-II          |                   | Mitsubishi Diaqueen SP-III       |
|                      | Mazda ATF MIII          |                   | Mitsubishi Diaqueen SP-IV        |
|                      | Mazda ATF M-V           |                   | Mitsubishi Diaqueen AW           |
|                      | Mazda ATF FZ            |                   | Mitsubishi Diaqueen J2           |
|                      | Mazda ATF F-1           |                   | Mitsubishi Diaqueen J3           |
|                      | Mazda ATF S-1           |                   | Mitsubishi Diaqueen ATF-MA-1     |
|                      | Mazda ATF N-1           |                   | Mitsubishi Diaqueen ATF PA       |
|                      | Mazda ATF 3317          |                   | Fuso ATF-II                      |
| <b>Mercedes Benz</b> | MB 236.1                |                   | Fuso ATF-SPIII                   |
|                      | MB 236.2                |                   | Fuso ATF-A4                      |
|                      | MB 236.5                | <b>Nissan</b>     | Nissan ATF                       |
|                      | MB 236.6                |                   | Nissan Matic-D                   |
|                      | MB 236.7                |                   | Nissan Matic-J                   |
|                      | MB 236.8                |                   | Nissan Matic-K                   |
|                      | MB 236.9                |                   | Nissan Matic-S                   |
|                      | MB 236.10               | <b>Opel</b>       | Opel/GM 19 40 700                |
|                      | MB 236.11               |                   | Opel/GM 19 40 707                |
|                      | MB 236.12               |                   | Opel/GM 19 40 767                |
|                      | MB 236.14               |                   | Opel/GM 21005966 Transaxle       |
|                      | MB 236.15               |                   | Opel/GM 22017466                 |
|                      | MB 236.16               |                   | Opel/GM 88900925                 |
|                      | MB 236.17               |                   | Opel/GM 9986195                  |
|                      | MB 236.41               | <b>Peugeot</b>    | Peugeot ZF 4HP20                 |
|                      | MB ZF 4HP20             |                   | Peugeot/Citreon Z 000169756      |
| <b>Mini Cooper</b>   | Mini Cooper T-IV        |                   | Peugeot/Citreon (PSA) AL4        |
|                      |                         |                   | Automatic Gearbox oil (#9730.AE) |

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## Detailed Step Shifting Automatic Transmission Applications:

| OEM/ATF        | Application                 | OEM/ATF        | Application                                           |
|----------------|-----------------------------|----------------|-------------------------------------------------------|
| <b>Porsche</b> | Porsche ZF 5HP19FL          | <b>Volvo</b>   | Volvo T IV (JWS 3309)                                 |
|                | Porsche ZF 5HP20            |                | Volvo 97325                                           |
|                | Porsche ATF 3403-M115       |                | Volvo 97335                                           |
|                | Porsche LT 71141            |                | Volvo CE 97340                                        |
|                | Porsche T IV (JWS 3309)     |                | Volvo 97341                                           |
|                | Porsche 000 0430205 09      |                | Volvo P/N 1161621                                     |
|                | Porsche 999 917 547 00 (A2) |                | Volvo P/N 1161450/1161640                             |
|                | Porsche 000 043 205 28      |                | Volvo P/N 31256774/31256675                           |
|                | Porsche Z 000169756         |                | Volvo P/N 11614540-8                                  |
| <b>Renault</b> | Renault DPO/AL4             | <b>VW</b>      | VW 5 HP LT 71141<br>(ZF 5 HP 18FL/19FL/24A)           |
|                | Renault Matic D2            |                | VW 5 HP LT 71141<br>(VW G-052-162-A1/A2)              |
|                | Renault Samsung SATF-D      |                | VW 5 HP (ZF 5 HP 30)                                  |
| <b>Saab</b>    | Saab T IV (JWS 3309)        |                | VW G-055-025-A2 (JWS 3309)                            |
|                | SAAB 93 165 147             |                | VW P/N G 052 025 A2                                   |
|                | Saab 93 160 393             |                | VW P/N G 052 055                                      |
| <b>Scion</b>   | Scion (All Vehicles)        |                | VW P/N G 052 162<br>(ZF Lifeguardfluid 5)             |
| <b>Subaru</b>  | Subaru ATF                  |                | VW P/N G 052 990 A2                                   |
|                | Subaru ATF-HP               |                | VW P/N G 055 005                                      |
|                | Subaru Dexron-II            |                | VW P/N G 055 005 A2                                   |
|                | Subaru K0140Y0700           |                | VW P/N G 055 162 A2, A6<br>(ZF Lifeguardfluid 6 Plus) |
|                | Subaru ATF 5AT              |                | VW P/N G 055 540 A2                                   |
| <b>Suzuki</b>  | Suzuki ATF AW-1             |                | VW P/N G 052 25                                       |
|                | Suzuki AT Oil 5D06          |                | VW P/N G 060 162<br>(ZF Lifeguardfluid 8)             |
|                | Suzuki ATF 2306             |                | VW P/N GUS 000 162                                    |
|                | Suzuki ATF 2384K            |                | VW TL 521 62                                          |
|                | Suzuki ATF 3309             |                | VW TL 52540-A                                         |
|                | Suzuki ATF 3314             | <b>Vickers</b> | Vickers M2950-S, I-286-S                              |
|                | Suzuki ATF 3317             | <b>ATF</b>     | Voith Svc Bltn #013 and #118                          |
| <b>Texaco</b>  | Texaco ETL-7045E            | <b>ZF</b>      | ZF all 3 & 4 Speed Transmissions                      |
|                | Texaco ETL-8072B            |                | ZF 8-Speed Transmissions & ZF 9AT*                    |
|                | Texaco N402                 |                |                                                       |
| <b>Toyota</b>  | 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)   |                |                                                       |

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## Detailed Continuously Variable Transmission Applications:

| OEM/ATF            | Application                                               | OEM/ATF             | Application                                                             |
|--------------------|-----------------------------------------------------------|---------------------|-------------------------------------------------------------------------|
| <b>Audi</b>        | Audi Multitronic                                          | <b>Mitsubishi</b>   | Mitsubishi CVTF-J1 (MMC Diaqueen CVT Fluid J1)                          |
| <b>BMW</b>         | BMW Mini Cooper EZL 799/ 83 22 0 136 376/ 83 22 0 429 154 |                     | Mitsubishi CVTF-J4 and -J4+ (MMC Diaqueen CVT Fluid J4 and J4+)         |
| <b>Chery</b>       | Chery CVT                                                 |                     | Mitsubishi (Diaqueen) SP-III (CVT model only)                           |
|                    | Chery WCF-1/Shell SL 2100                                 |                     | Mitsubishi CVTF ECO J4                                                  |
| <b>Daihatsu</b>    | Daihatsu AMMIX CVTF DFE                                   |                     | Mitsubishi CVT Fluid-MA1                                                |
|                    | Daihatsu AMMIX CVT Fluid DC                               | <b>Nissan</b>       | Nissan NS-1, -2, -3                                                     |
|                    | Daihatsu AMMIX CVT Fluid DFC                              | <b>Opel</b>         | Opel/Vauxhall 7-speed CVT, 95529854                                     |
|                    | Daihatsu Fluid TC                                         | <b>Punch</b>        | Punch CVT (without starting clutch)                                     |
| <b>CDJR</b>        | Dodge/Jeep/Chrysler NS-2                                  |                     | Punch CVTF EX-1 for VT2/VT3/VT5 Transmissions                           |
|                    | Dodge/Chrysler/Jeep/Mopar CVT+4                           | <b>Renault</b>      | Renault Elf Matic CVT                                                   |
| <b>Ford</b>        | Ford WSD-M2C-199A                                         | <b>ATF</b>          | Shell Green 1V                                                          |
| <b>CVT</b>         | Fujijyuuko i-CVTF FG                                      | <b>Subaru</b>       | Subaru iCVT, iCVT FG, ECVT                                              |
|                    | Idemitsu CVTS-EX1                                         |                     | Subaru Lineartronic chain CVT and CVT II Fluid, K0425Y0710 & K0425Y0711 |
| <b>GM</b>          | GM/Saturn DEX-CVT                                         |                     | Subaru Lineartronic High Torque (HT) CVT Fluid, CV-30, K0421Y0700       |
|                    | GM/Saturn DEX-CVT, GM1940713 and 1940714                  |                     | Subaru NS-2                                                             |
|                    | GM VT40/GM HP CVT                                         | <b>Suzuki</b>       | Suzuki CVTF TC                                                          |
| <b>Honda</b>       | Honda Multimatic HMMF **                                  |                     | Suzuki CVTF 3320 & Suzuki CVTF 4401                                     |
|                    | Honda HCF2**                                              |                     | Suzuki NS-2                                                             |
|                    | Honda Z-1 (CVTmodel)*                                     |                     | Suzuki CVT Green 1 & 2                                                  |
|                    | Honda CVT**                                               |                     | Suzuki CVT Green 1V                                                     |
|                    | Honda HMMF Ultra (for CVT without a starting clutch)      | <b>Toyota/Volvo</b> | Toyota CVTF TC & FE                                                     |
| <b>Hyundai</b>     | Hyundai/Kia CVT-1, SP CVT-1 and CVT-J1                    |                     | Volvo CVT 4959                                                          |
|                    | Hyundai/Kia CVT-1                                         | <b>VW/Audi</b>      | VW/Audi TL 521 16 (G 052 516)                                           |
|                    | Hyundai/Kia SP III (CVT model)                            |                     | VW/Audi TL 521 80 (G 052 180)                                           |
| <b>Lexus</b>       | JWS 3401                                                  |                     |                                                                         |
|                    | Lexus Fluid TC, Fluid FE                                  |                     |                                                                         |
| <b>Mazda</b>       | Mazda JWS 3320                                            |                     |                                                                         |
| <b>MG</b>          | MG Rover EM-CVT                                           |                     |                                                                         |
| <b>Mini Cooper</b> | Mini Cooper EZL/EZL 799A.ZF CVT V1                        |                     |                                                                         |

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