

# CHAMPION **ECO FLOW** CVT-ATF FLUID

*This is a multifunctional full synthetic lubricant that has been designed for both CVT and step automatic transmissions. The multi-vehicle suitability of this oil enables optimized supply chain, reduced operational cost and mitigated misapplication risk.  
It offers outstanding anti-wear protection and stable friction characteristics.*

## APPLICATIONS

*It is suitable for continuously variable transmissions (using steel push-belts or chains) and for the latest generation of high efficiency step automatic transmissions where the manufacturer recommends the specifications as referred to in the extensive list on this technical data sheet.*

## FEATURES

*Anti-wear protection: significantly extended transmission life.  
Extended oil life: excellent thermal and oxidation stability.  
Frictional properties: very smooth gear shifting, no vibration.*

## SPECIFICATIONS

|                      |                                           |                   |                    |
|----------------------|-------------------------------------------|-------------------|--------------------|
| <b>ACURA</b>         | ATF-Z1                                    | <b>DAIHATSU</b>   | AMIX CVTF DFC      |
| <b>AISIN-WARNER</b>  | AW-1                                      | <b>DAIHATSU</b>   | AMIX CVTF DFE      |
| <b>AISIN-WARNER</b>  | AW-2                                      | <b>DAIHATSU</b>   | AMIX CVTF DTC      |
| <b>AISIN-WARNER</b>  | JWS 3309[T-IV]                            | <b>DAIHATSU</b>   | AMIX CVTF-DC       |
| <b>AISIN-WARNER</b>  | JWS 3324[WS]                              | <b>DAIHATSU</b>   | AMMIX ATF D II     |
| <b>ALLISON</b>       | C3                                        | <b>DAIHATSU</b>   | AMMIX ATF D III SP |
| <b>ALLISON</b>       | C4                                        | <b>DAIHATSU</b>   | FLUID TC           |
| <b>AUDI</b>          | TL 52180                                  | <b>DODGE</b>      | NS-2/CVTF+4        |
| <b>BMW</b>           | 83 22 0 136 376                           | <b>FIAT</b>       | T-IV type          |
| <b>BMW</b>           | 83 22 2 344 206                           | <b>FORD</b>       | CVT23              |
| <b>BMW</b>           | 83 22 2 344 207                           | <b>FORD</b>       | CVT30              |
| <b>BMW</b>           | 83 22 9 407 765                           | <b>FORD</b>       | ESP-M2C166-H       |
| <b>BMW</b>           | ATF 4                                     | <b>FORD</b>       | FRN 5              |
| <b>BMW</b>           | ATF 5                                     | <b>FORD</b>       | MERCON             |
| <b>BMW</b>           | ATF 6                                     | <b>FORD</b>       | MERCON C           |
| <b>BMW</b>           | ETL 7045E                                 | <b>FORD</b>       | MERCON SP          |
| <b>BMW</b>           | ETL 8072B                                 | <b>FORD</b>       | WSS-M2C922-A1      |
| <b>BMW</b>           | EZL799/EZL799A                            | <b>FORD</b>       | WSS-M2C924-A       |
| <b>BMW</b>           | JWS 3309[T-IV]                            | <b>FORD</b>       | WSS-M2C928-A       |
| <b>BMW</b>           | LA 2634                                   | <b>FORD</b>       | WSS-M2C933-A       |
| <b>BMW</b>           | LT 71141                                  | <b>FORD</b>       | XT-2 QSM [Syn]     |
| <b>BMW</b>           | ZF 5HP18FL,5HP24,5HP30                    | <b>FORD</b>       | XT-2QDX [M]        |
| <b>BOSCH REXROTH</b> | TE-ML 09                                  | <b>FORD</b>       | XT-6-QSP           |
| <b>CATERPILLAR</b>   | TO-2                                      | <b>FUJIIYUUKO</b> | i-CVTF FG          |
| <b>CHRYSLER</b>      | ATF +, +2, +3                             | <b>FUSO</b>       | ATF -SP III        |
| <b>CHRYSLER</b>      | Dodge MOPAR AS 68 RC [T-IV] ,<br>JWS 3309 | <b>FUSO</b>       | ATF-A4             |
| <b>CHRYSLER</b>      | Dodge/Jeep/ 68043742AA                    | <b>FUSO</b>       | ATF-II             |
| <b>DAEWOO</b>        | LT 71141                                  | <b>GEELY</b>      | CVTF-EX1           |
|                      |                                           | <b>GM</b>         | 1940700            |

### CHAMPION CHEMICALS NV

G. Gilliatstraat 52 - 2620 Hemiksem - Belgium

Tel. +32 3 870 00 00

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|         |                              |            |                        |
|---------|------------------------------|------------|------------------------|
| GM      | 1940767                      | MAZDA      | CVTF 3320              |
| GM      | 21005966                     | MB         | 236.20/CVT28           |
| GM      | 22717466                     | MINI       | EZL799/EZL799A/CVT V1  |
| GM      | 88863400                     | MINI       | T-IV                   |
| GM      | 88863401                     | MITSUBISHI | CVTF ECO J4            |
| GM      | 88900925                     | MITSUBISHI | CVTF J-1               |
| GM      | 93160393                     | MITSUBISHI | CVTF J-4               |
| GM      | 9985010                      | MITSUBISHI | CVTF J-4+              |
| GM      | 9985835                      | MITSUBISHI | Diaqueen ATF PA        |
| GM      | 9986195                      | MITSUBISHI | Diaqueen AW            |
| GM      | AW-1                         | MITSUBISHI | Diaqueen J2            |
| GM      | CVTF GREEN 2/SATURN DEX-CVT  | MITSUBISHI | Diaqueen J3            |
| GM      | DEXRON II                    | MITSUBISHI | Diaqueen SK            |
| GM      | DEXRON II-D                  | MITSUBISHI | Diaqueen SP            |
| GM      | DEXRON II-E                  | MITSUBISHI | Diaqueen SP-II         |
| GM      | DEXRON III-G                 | MITSUBISHI | Diaqueen SP-III        |
| GM      | DEXRON III-H                 | MITSUBISHI | Diaqueen SP-IV         |
| GM      | DEXRON TYPE A, SUFFIX A      | NISSAN     | MATIC-C                |
| HINO    | Blue Ribon ATF               | NISSAN     | MATIC-D                |
| HONDA   | ATF Z-1                      | NISSAN     | MATIC-J                |
| HONDA   | DW-1                         | NISSAN     | MATIC-K                |
| HONDA   | HCF-2/HMMF [No Start Clutch] | NISSAN     | MATIC-S                |
| HONDA   | Type 3.0 and 3.1             | NISSAN     | NS-1/NS-2/NS-3/Matic W |
| HONDA   | Ultra HEVF-Type 1            | PORSCHE    | 000.043.205.09         |
| HYUNDAI | 040000C90SG                  | PORSCHE    | 000.043.205.28         |
| HYUNDAI | Dex-II/SP-II                 | PORSCHE    | 999.917.547.00[A2]     |
| HYUNDAI | SP-CVT1                      | PORSCHE    | LA 3403-M115           |
| HYUNDAI | SP-II M                      | PORSCHE    | T-IV [JWS 3309]        |
| HYUNDAI | SP-III                       | PORSCHE    | Z 000169756            |
| HYUNDAI | SP-IV M                      | PSA        | 1635056080             |
| HYUNDAI | SP-IV M1                     | PSA        | 9730 AE                |
| ISUZU   | 08200-9001                   | PSA        | B71 2340               |
| ISUZU   | BESCO ATF-II                 | PSA        | P/N Z 000169756        |
| ISUZU   | BESCO ATF-III                | PSA        | ZF 4HP20               |
| ISUZU   | BESCO ATF-SP                 | PUNCH      | EZL799/EZL799A         |
| ISUZU   | SCS Fluid                    | RENAULT    | CVT CK/SK/FK           |
| JAGUAR  | ATF 3403 JLM 20238           | RENAULT    | DPO/AL4                |
| JAGUAR  | ATF 3403 M115                | RENAULT    | ELFMATIC               |
| JAGUAR  | JLM 20292                    | RENAULT    | MATIC-D2               |
| JAGUAR  | LT71141 ZF 5HP24             | RENAULT    | Samsung SATF-D         |
| JASO    | M315-2013 1A                 | SAAB       | 93 160 393             |
| JASO    | M315-2013 1A-LV              | SAAB       | 93 165 147             |
| JASO    | M315-2013 2A                 | SAAB       | T-IV [JWS 3309]        |
| JEEP    | ATF +3                       | SCION      | [all Vehicles]         |
| JEEP    | NS-2/CVTF+4                  | SSANG YONG | DSIH 5M-66             |
| KIA     | SP-CVT 1                     | SUBARU     | ATF                    |
| LEXUS   | JWS 3309                     | SUBARU     | ATF 5AT                |
| MAZDA   | ATF 3317                     | SUBARU     | ATF, ATF HP            |
| MAZDA   | ATF A7                       | SUBARU     | DEXRON-II              |
| MAZDA   | ATF D-II                     | SUBARU     | e-CVTF                 |
| MAZDA   | ATF F-1                      | SUBARU     | High Torque CVTF       |
| MAZDA   | ATF FZ                       | SUBARU     | i-CVTF                 |
| MAZDA   | ATF M-III                    | SUBARU     | i-CVTF FG              |
| MAZDA   | ATF M-V [Type M5]            | SUBARU     | K0140Y0700             |
| MAZDA   | ATF N-1                      | SUBARU     | Lineartronic CV-30     |
| MAZDA   | ATF S-1                      | SUBARU     | Lineartronic CVTF II   |

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|               |                      |              |                  |
|---------------|----------------------|--------------|------------------|
| <b>SUZUKI</b> | AT OIL 5D06          | <b>VOLVO</b> | 97335            |
| <b>SUZUKI</b> | ATF 2326             | <b>VOLVO</b> | CE 97340         |
| <b>SUZUKI</b> | ATF 2384K            | <b>VOLVO</b> | CE 97341         |
| <b>SUZUKI</b> | ATF 3314             | <b>VOLVO</b> | CVT 4959         |
| <b>SUZUKI</b> | ATF 3317             | <b>VW</b>    | 5HP (18FL, 30]   |
| <b>SUZUKI</b> | ATF AW-1             | <b>VW</b>    | 5HP (19FL, 24A]  |
| <b>SUZUKI</b> | ATF JWS 3309         | <b>VW</b>    | 5HP (ZF 5 HP 30] |
| <b>SUZUKI</b> | CVTF 3320            | <b>VW</b>    | G 052 025        |
| <b>SUZUKI</b> | CVTF 4401            | <b>VW</b>    | G 052 055        |
| <b>SUZUKI</b> | CVTF GREEN 2         | <b>VW</b>    | G 052 162        |
| <b>SUZUKI</b> | NS-2/SHELL GREEN 1 V | <b>VW</b>    | G 052 180        |
| <b>TOYOTA</b> | ATF D-II             | <b>VW</b>    | G 052 516        |
| <b>TOYOTA</b> | ATF D-III            | <b>VW</b>    | G 052 990        |
| <b>TOYOTA</b> | ATF WS               | <b>VW</b>    | G 053 001        |
| <b>TOYOTA</b> | CVT FE               | <b>VW</b>    | G 053 025        |
| <b>TOYOTA</b> | TC                   | <b>VW</b>    | G 053 162 A1     |
| <b>TOYOTA</b> | TYPE T               | <b>VW</b>    | G 055 025        |
| <b>TOYOTA</b> | TYPE T-III           | <b>VW</b>    | G 055 540        |
| <b>TOYOTA</b> | TYPE T-IV            | <b>VW</b>    | TL 52540-A       |
| <b>VOLVO</b>  | 1161521              | <b>ZF</b>    | TE-ML 05L        |
| <b>VOLVO</b>  | 1161540/1161640      | <b>ZF</b>    | TE-ML 09X        |
| <b>VOLVO</b>  | 97325                | <b>ZF</b>    | TE-ML 21L        |

## TYPICAL CHARACTERISTICS

| Test                          | Method     | Unit  | Average results |
|-------------------------------|------------|-------|-----------------|
| Density at 15°C               | ASTM D4052 | g/ml  | 0.852           |
| Kinematic viscosity at 40°C   | ASTM D445  | mm²/s | 36.5            |
| Kinematic viscosity at 100°C  | ASTM D445  | mm²/s | 7.5             |
| Viscosity index               | ASTM D2270 |       | 179             |
| Pour point                    | ASTM D6892 | °C    | -51             |
| Brookfield viscosity at -40°C | ASTM D2983 | mPa.s | 15000           |
| Flash Point COC               | ASTM D92   | °C    | 190             |
| Colour                        | VISUAL     |       | RED             |

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

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