

### PRODUCT DESCRIPTION

ATF MULTI-VEHICLE is a high performance multipurpose fully synthetic automatic transmission fluid for modern and older automatic gearboxes of 3, 4 & 5-speed planetary step-AT systems. It meets the most demanding requirements of Asian, American, European and other OEMs of passenger cars, 4WD, light commercial vehicles, heavy duty vehicles and applications where a conventional automatic transmission fluid is needed. It protects gears that are complex, compact and heavily loaded. It gives superior AT response for smoother shift feel and minimized shift time lag. The right selection of components features outstanding performance and guarantees an extended transmission system life.

ATF MULTI-VEHICLE provides protection against wear and provides the required friction rate to transfer high torque. Increased stability to physical fluid deterioration and oxidation to allow the retention of initial performance in extended service intervals.

### APPLICATION

Recommended for use in wide variety of ATF specifications. For passenger cars, SUVs, CUVs, light commercial trucks and other vehicles where a high viscosity transmission fluid is mandatory for use. Suitable for use in torque converters, power steering, hydrostatic transmissions, mechanical and hydraulic systems where DEXRON or MERCON fluids are required.

Not recommended for use in systems where DEXRON® VI or MERCON® LV is required. Not for 6-speed and higher transmission systems.

### WARRANTY

ATF MULTI-VEHICLE meets or exceeds the OEM's warranty requirements where a conventional automatic transmission fluid is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

### CUSTOMER BENEFITS

- **Extends transmission life**  
Effective wear protection, improved oxidation and corrosion resistance to maintain a year-round protection of the transmission components to prolong the transmission life.

- **Multipurpose application**  
Single fluid which can be used in majority of automatic transmissions of multiple makers. Eliminates the need to stock different transmission fluid types.
- **Optimized Fluid Service Life**  
Outstanding protection against sludge and varnish deposits to prevent clogging of oil passages, ensuring effective fluid performance over the entire service life.
- **Smoother shift feels**  
Formulated with superior friction modifiers to deliver outstanding clutch-holding capacity, torque transfer ability and anti-shudder for reliable shifts.
- **Saves Fuel**  
Delivers cold-flow properties that help improve shift response and warm-up times to help in the reduction of fuel consumption.

### MEETS SPECIFICATIONS & REQUIREMENTS OF:

- MAZDA ATF M-V
- MAZDA ATF M-III
- NISSAN MATIC FLUID C
- NISSAN MATIC FLUID D
- NISSAN MATIC FLUID J
- NISSAN MATIC FLUID K
- MITSUBISHI SP-II
- MITSUBISHI SP-III
- MITSUBISHI J2
- TOYOTA TYPE T-IV
- LEXUS JWS 3309
- HONDA ATF-Z1
- HYUNDAI JWS 3314
- KIA JWS 3314
- GENESIS JWS 3314
- SUZUKI ATF 3314
- SUZUKI ATF 3317
- SUBARU ATF 5AT
- SUBARU ATF HP

Refer to chart for additional specifications & SFU list.

Suitable for use in various OEMs such as Acura, Honda, Audi, BMW, Chrysler, Daewoo, Daihatsu, Kia, Hyundai, Genesis, Isuzu, Jaguar, Lexus, Mazda, Mitsubishi, Nissan, Opel, Peugeot, Porsche, Renault-Nissan, Saab, Saturn, Scion, Subaru, Suzuki, Toyota, Volkswagen and others.

Before using this product, ensure it is consistent with OEM's recommendations for the equipment operating conditions and customer's maintenance practices.

### TYPICAL TEST DATA

| CHARACTERISTICS         | UNITS | VALUES | STANDARDS  |
|-------------------------|-------|--------|------------|
| Kinematic viscosity at: |       |        |            |
| 40 °C                   | cSt   | 34.77  | ASTM D445  |
| 100 °C                  | cSt   | 7.24   | ASTM D445  |
| Viscosity index         | -     | 189    | ASTM D2270 |
| Color                   | -     | Red    | ASTM D1500 |
| Flash point             | °C    | 228    | ASTM D92   |
| Pour point              | °C    | -49    | ASTM D6892 |
| Density at 30 °C        | kg/L  | 0.8351 | ASTM D4052 |

### ADDITIONAL SPECIFICATIONS & SUITABLE FOR USE LIST

| OEM Performance                                    | SFU | OEM Performance                       | SFU |
|--|-----|---------------------------------------|-----|
| Acura ATF-Z1                                       | Yes | Mazda ATF M-III                       | Yes |
| Aisin Warner JWS 3309 (T-IV )                      | Yes | Mazda ATF M-V                         | Yes |
| Allison C-3 & C-4                                  | Yes | Mazda ATF F-1                         | Yes |
| American Motors ATF +3 (MS7176-E), ATF +4 (MS9602) | Yes | Mazda ATF S-1                         | Yes |
| ATF RED 1, RED 1K                                  | Yes | Mazda ATF N-1                         | Yes |
| Audi G 055 025 A2 (JWS 3309)                       | Yes | Mazda ATF 3317                        | Yes |
| Audi/VW G 052 990                                  | Yes | MINI COOPER T-IV                      | Yes |
| BMW JWS 3309 (T-IV )                               | Yes | Mitsubishi Diaqueen SK                | Yes |
| BMW LA2634   | Yes | Mitsubishi Diaqueen SP-II             | Yes |
| BMW LT71141 (ZF 5 HP 18FL/19FL/24A)                | Yes | Mitsubishi Diaqueen SP-III            | Yes |
| BMW ZF 5HP18FL, 5HP24, 5HP30                       | Yes | Mitsubishi Diaqueen AW                | Yes |
| BMW 7045E  | Yes | Mitsubishi Diaqueen J2                | Yes |
| BMW ETL-8072B                                      | Yes | Mitsubishi Fuso ATFA-4                | Yes |
| BMW MINI   | Yes | NAG 1 (Chrysler, Jeep, Cherokee)      | Yes |
| CAT TO-2   | Yes | Nissan Matic Fluid C                  | Yes |
| Chrysler ATF+, +2, +3 (MS 7176E), +4 (MS 9602)     | Yes | Nissan Matic Fluid D                  | Yes |
| Chrysler/Dodge MOPAR AS 68 RC (T-IV), JWS 3309     | Yes | Nissan Matic Fluid J                  | Yes |
| Daewoo LT 71141                                    | Yes | Nissan Matic Fluid K                  | Yes |
| Daihatsu AMMIX ATF D-II                            | Yes | Opel (all vehicles)                   | Yes |
| Daihatsu AMMIX ATF D-III SP                        | Yes | Peugot ZF 4HP20                       | Yes |
| Esso LT 71141                                      | Yes | Porsche ZF 5HP19FL, ZF 5HP20, LT71141 | Yes |
| FIAT T-IV type, JWS 3309                           | Yes | Porsche ATF 3403-M115,                | Yes |
| Ford MERCON®                                       | Yes | Porsche T-IV (JWS 3309)               | Yes |

| OEM Performance                               | SFU | OEM Performance                 | SFU |
|---|-----|---------------------------------|-----|
| Ford FNR5                                     | Yes | Renault/Nissan DPO/AL4          | Yes |
| Ford M2C138CJ                                 | Yes | Renault Samsung SATF-D          | Yes |
| Ford M2C166H                                  | Yes | Saab T-IV (JWS 3309)            | Yes |
| Ford WSS M2C 138CJ, 166H                      | Yes | Saab 93 165 147                 | Yes |
| Ford WSS M2C 922A1, 924A (XT-8-QAW ) JWS 3309 | Yes | Saturn T-IV (JWS 3309)          | Yes |
| Fuso ATF-II                                   | Yes | Scion (all vehicles)            | Yes |
| Fuso ATF-SPIII                                | Yes | Shell 3403, M115, LA 2634       | Yes |
| Fuso ATF-A4                                   | Yes | Subaru ATF                      | Yes |
| GM9986195 (Aisin AW, JWS 3309)                | Yes | Subaru ATF 5AT                  | Yes |
| GM TASA                                       | Yes | Subaru Dexron®-II               | Yes |
| GM DEXRON®-II                                 | Yes | Subaru ATF, ATF HP              | Yes |
| GM DEXRON®-IID                                | Yes | Subaru ATF for Vivio 3 speed    | Yes |
| GM DEXRON®-IIE                                | Yes | Suzuki AT OIL 5D06              | Yes |
| GM DEXRON®-IIIG                               | Yes | Suzuki ATF 2326                 | Yes |
| GM DEXRON®-IIIH                               | Yes | Suzuki ATF 2384K                | Yes |
| Hino Blue Ribbon ATF                          | Yes | Suzuki JWS 3309                 | Yes |
| Honda ATF Ultra II                            | Yes | Suzuki ATF 3314                 | Yes |
| Honda ATF-Z1 (except in CVTs)                 | Yes | Suzuki ATF 3317                 | Yes |
| Hyundai/Kia SP-III                            | Yes | Texaco 7045-E                   | Yes |
| Hyundai/Kia Dex-II/ SP-II                     | Yes | Texaco 8072B                    | Yes |
| Hyundai/Kia JWS 3314                          | Yes | Texaco N402                     | Yes |
| ISUZU BESCO ATF-II                            | Yes | Toyota ATF D-II                 | Yes |
| ISUZU BESCO ATF-III                           | Yes | Toyota ATF D-III                | Yes |
| Jaguar ATF 3403 M115, ATF 3403-M115,          | Yes | Toyota ATF T-III                | Yes |
| Jaguar ATF LT71141, ZF 5HP24                  | Yes | Toyota ATF T-IV                 | Yes |
| Jaguar JLM20238                               | Yes | Vickers M2950-S, I-286-S        | Yes |
| Jaguar ATF 3403 JLM20238,                     | Yes | Volvo CE 97340                  | Yes |
| JASO M315-2013 1A                             | Yes | VW 5HP (19FL, 24A)              | Yes |
| JASO M315-2013 2A                             | Yes | VW G-055-025 A2 (JWS 3309)      | Yes |
| JEEP ATF+3, +4                                | Yes | VW TL 521 62                    | Yes |
| Lexus JWS 3309                                | Yes | ZF all 3 & 4 speed transmission | Yes |
| KIA ATF SP-II, SP-III, Red 1                  | Yes | ZF TE-ML 09                     | Yes |
| Mazda ATF D-II                                | Yes | ZF TE-ML 11A, 11B               | Yes |

### **STORAGE AND HANDLING GUIDELINES**

- Avoid exposing products to direct sunlight.
- Store in cool and dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors or under cover on pallets and racks.

### **HEALTH, SAFETY & ENVIRONMENT PROTECTION**

Information on health, safety and environment protection is described in the product Safety Data Sheet (SDS). The SDS file contains details on potential hazards, precautions and first aid measures, as well as information on environmental impact and disposal of used products.

TOTACHI INDUSTRIAL CO. LTD. disclaims any liability in case the product is used with violation of these instructions and warnings or it is not used for its intended purpose. Before using product other than intended, consult your local TOTACHI® distributor.