



# Universal Synthetic Dual Clutch (DCT) Transmission Fluid

(November 2021 edition)

**AMALIE Universal Synthetic Dual Clutch (DCT) Transmission Fluid** is designed for use in Dry-Dual Clutch Transmissions, Wet-Dual Clutch Transmissions (DCT) and direct-shift gearboxes (DSG). Employing the latest additive technology, **AMALIE Universal Synthetic Dual Clutch (DCT) Transmission Fluid** maintains essential frictional properties for all synchronizers, bearings, and wet clutches. It provides excellent component protection and enhanced service reliability. **AMALIE Universal Synthetic Dual Clutch (DCT) Transmission Fluid** is also designed to exceed the requirements of High-Performance Automobiles with engines producing 500 plus horsepower such as Audi, BMW, Ferrari, Mercedes Benz, Porsche, and many others.

**AMALIE Universal Synthetic Dual Clutch (DCT) Transmission Fluid** exceeds API GL-4 requirements and is suitable for many mechanical gearboxes requiring gear oil with a very low viscosity grade such as SAE 75W-80 as well as those requiring a “Synchromesh” type fluid. **AMALIE Universal Synthetic DCT Fluid** will not harm blonde metals used in synchronizer designs.

\*Before use always refer to the owner’s manual or handbook of the vehicle.

### Performance Benefits

- Fuel Economy Performance by Optimizing Friction
- Industry Leading Anti-Shudder Performance
- Protects Gears Both Compact and Heavily Loaded
- Smoother Shifting
- Improved Cold Temperature Response
- Excellent Anti-Wear Protection
- Outstanding Oxidative Stability
- Exceptional Low Temperature Fluidity
- Extended Corrosion Inhibition
- Remarkable Foam Resistance

### Typical Physical and Chemical Properties

API Gravity.....	34.25
Density, (lbs./gal) .....	7.110
Kinematic Viscosity @100°C, cSt.....	7.250
Kinematic Viscosity @40°C, cSt.....	34.0
Viscosity Index.....	185
Color.....	Amber
Brookfield Viscosity, cP @ (°C) .....	8000
Flash Point, °C (°F) .....	195 (383)
Pour Point, °C (°F) .....	-54 (-65)

\*Typical values are listed. Variations not affecting the performance of this fluid may occur during production; however, these variations will not fall outside of set specification parameters.

### RECOMMENDATIONS

Only mix with similar products.  
Refer to manufacturer’s recommendations for changing the fluid and adapt as justified.



Better than it has to be  
Since 1903

## TECHNICAL DATA SHEET

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### PERFORMANCE APPLICATION CHART (DCT Applications)

The chart below lists suitable for use applications

- Audi G 052 182 (TL 521 82), G 052 512 (75W GO Dry Clutch)
- Audi G 052 513 (DSG), G 052 529 (TL 052 529), G 055 529
- BMW DCTF-1 Part Number 83 22 0 440 214, 83 22 2 148 578, 83 22 2 148 579, 83 22 2 147 477
- BOT 341, BOT 351 C4
- Citroën PSA Part Number 9734.S2
- Ferrari TF DCT-F3
- Fiat 9.55550-MZ-6 (75WGO) Tutela Transmission Gearforce (Dry Clutch), BOT 341
- Ford WSS-M2C-936-A, WSS-M2C-200-D2 (Power Shift dry clutch XT-11-QDC), BOT 341
- Mercedes Benz MB 236.21 (001 989 85 03), 266.22, 236.24, 236.25, 239.21
- Mitsubishi Diamond Queen SSTF-1 (MZ320065)
- Mopar C635 DDCT transmission fluid P/N 68092630AA
- Nissan Genuine Transmission Oil R35 Special, 999MP-GTRT00P
- Peugeot PSA Part Number 9734.S2
- Porsche 999.917.080.00 (FFL-3), P# 043 207 29 (FFL-3), 043 207 30 (FFL-3), 999.917.080.01
- Renault BOT 450, EDC Transmission (Dry Clutch)
- Seat G 052 182 (TL 52 182), G 052 512 (75W GO Dry Clutch), G 052 513 (DSG), TL 052 529
- Skoda G 052 182 (TL 52 182), G 052 512 (75W GO Dry Clutch)
- Skoda G 052 513 (DSG), TL 052 529
- Volvo BOT 341, #1161838, 1161839
- VW G 052 182 (TL 52 182), G 052 512 (75W GO Dry Clutch)
- VW G 052 513 (DSG), TL 052 529

### PERFORMANCE APPLICATION CHART (Synchromesh Applications)

The chart below lists suitable for use applications

- GM 9985648, Part #12345349
- GM 9986105
- GM 9985535
- Chrysler MS-9224, Part#4874464
- Chrysler MS-9417
- GM 12345577
- GM 12377916, 88900399
- GM 1052931
- Chrysler 4874465

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## PERFORMANCE APPLICATION CHART (Mechanical Gearbox)

The chart below lists suitable for use applications

- Audi G 052 178 (75W GO), G 052 726 (75W GO), G 052 798 (SAE 70W75), G 052 171 (SAE 70W75), Audi G 055 532 (75W-80 GL-4)
- BMW MTF-LT-5 (75W-80), Part Number 83 22 2167 666
- Seat (see Audi)
- Skoda (see Audi)
- VW (see Audi)
- API GL-4

### **NOTE:**

Not Recommended for Use: CVT (see Universal Synthetic CVT Fluid)

Not Recommended for Use: Standard Planetary Gear Transmissions (see Universal Synthetic ATF)

## PERFORMANCE APPLICATION CHART (POWER STEERING)

The chart below lists suitable for use applications

- Chrysler MS-1872, MS-5931 P/N 04883077
- Chrysler MS-9602, MS-10838 P/N 05142896AA
- Ford M2C195-A
- GM P/N 89021184, 89021185, 19329450, 1052884(GM 9985010)
- GM P/N 12345866 (GM 9985835)
- Hyundai PSF-3
- Kia PSF-3
- Mercedes Benz 236.3 (P/N 000 989 88 03)
- Mitsubishi PS Fluid, Diamond SP-III
- Nissan PSF-II
- Saab P/N 45 30 09 800
- Subaru P/N K0209A0080
- Toyota PSF Type EH P/N 008886-01
- ZF TE-ML 09

## Health and Safety

Safety Data Sheets (SDS) are available online at AMALIE.com or from your AMALIE Representative.