



PRODUCT DATA SHEET

DCT FLUID (DUAL CLUTCH TRANSMISSIONS)

PRODUCT DESCRIPTION

DCT Fluid is a lubricant for dual clutch transmissions, also known as Direct Shift Gearbox (DSG) transmissions. It is manufactured with the highest quality synthetic base oils and the performance package provides smooth shifting, anti-shudder performance and superior transmission response due to its optimized frictional characteristics, resulting fuel economy benefits and wear protection for the transmission components.

BENEFITS

- Excellent load carrying, anti-wear and extreme pressure performance.
- Anti-shudder performance to avoid vibrations on the engine fly wheel.
- Anti-corrosion and anti-foam protection.
- Shear stability and oxidation resistance at high temperatures.
- Clutch friction and synchroniser durability.
- Maximum protection under high stress working conditions.
- Provides improved fuel consumption over conventional transmissions.

APPLICATIONS

- DCT transmissions of passenger cars and vans which use Getrag and ZF equipment.
- Many modern European manufactured vehicles including Audi, BMW, Ford, Mercedes Benz and the VW Group.

DCT Fluid is recommended for a very wide range of DCT equipped vehicles including Audi, BMW, Citroen, Ferrari, Fiat, Ford, Mercedes-Benz, Mitsubishi, Nissan, Peugeot, Porsche, Renault, Seat, Skoda, Volkswagen and Volvo.

NOTE: This product is not designed for CVT, manual or automatic transmissions.

SPECIFICATIONS

Dual Clutch Transmission meets or exceeds following demanding performance requirements:

- | | | | |
|----------------|-------------------------|-----------------|-----------------------------|
| • Audi | VW TL 052 182 | • Mercedes-Benz | MB 236.21 (001 989 85 03) |
| | VW TL 052 529 | | MB 236.25 |
| • BMW (Getrag) | 83 22 2 148 578 | • Mitsubishi | MZ320065 (Dia-Queen SSTF-I) |
| | 83 22 2 148 579 | • Nissan | Ford WSS-M2C936-A |
| | 83 22 0 440 214 | • Peugeot | Peugeot/Citroen 9734.S2 |
| | 83 22 2 147 477 | • Porsche (ZF) | 999.917.080.00 (FFL-3) |
| | BMW DCTF-1 | • Renault | BOT 450 |
| | BMW DCT Oil 1 | | |
| • Citroen | Peugeot/Citroen 9734.S2 | • Seat | VW TL 052 182 |
| • Ferrari | TF DCT-F3 | • Shell | DCT M-1 |
| • Fiat | BOT 341 | • Skoda | VW TL 052 182 |
| • Ford/Getrag | Ford WSS-M2C936-A | • Volkswagen | VW TL 052 182 |
| | (BOT 341) | • Volvo | 1161838 and 1161839 |

Always consult your vehicle owner's manual for the manufacturer's recommendations.





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TYPICAL PROPERTIES

Property	ASTM Method	Typical Results
Appearance	Visual	Amber
Density (kg/Lt) @ 15°C	D-1298	0.858
Viscosity (cSt) @ 40°C	D-445	47
@ 100°C	D-445	7.0
Viscosity Index	D-2270	150
Brookfield Viscosity (cP) @ -40°C	D-2983	11920
Flash Point, PM Closed (°C)	D-93	192
Pour Point (°C)	D-97	-21
Foaming Characteristics (10 mins)		
Settling, Sequence 1, 2, 3	D-892	Nil
Phosphorus (% wt)	ICP	0.06
Calcium (% wt)	ICP	0.02
Boron (ppm)	ICP	45

Available in: Bulk, 20 Litres and 5 Litres

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

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