



Product Specification and Technical Data

PRODUCT: BG Universal Synthetic DCT Fluid

PART NO.: 319

TEST DATA:	Test	ASTM Test Method	Typical Test Results
	API Gravity @ 15.6°C (60°F)	D287	34.1
	Specific Gravity @ 15.6°C (60°F)	D1298	0.8543
	Density,		
	lbs/gal @ 15.6°C (60°F)	D1250	7.122
	Flash Point, COC	D92	240°C (464°F)
	Viscosity, cSt @ 100°C (212°F)	D445	6.82
	Viscosity, cSt @ 40°C (104°F)	D445	33.67
	Viscosity Index	D2270	167
	Viscosity, cSt @ -40°C (-40°F)	D2983	12,000
	Pour Point	D97	-46°C (-50°F)
	Noack Volatility, % Loss	D5800	2.64
	Color	D1500	L2.0
	Color	Visual	Light Amber

PROBLEM: Modern dual clutch transmissions need lubricants that can withstand friction, heat and constant mechanical shearing. These forces contribute to fluid degradation and loss of performance. Most importantly, depletion of additives and loss of fluid viscosity promote metallic wear and clutch slippage. This renders the fluid incapable of protecting or operating as it should. Over-extended fluid use, especially under severe operation, can quickly damage components and lead to premature transmission failure.

SOLUTION: BG Universal Synthetic DCT Fluid is designed for use in wet dual clutch transmissions (DCT) and direct-shift gearboxes (DSG). With its unique additive chemistry, BG Universal Synthetic DCT Fluid maintains essential frictional properties for all synchronizers, bearings and wet clutches and provides exceptional component protection and enhanced service reliability.

- BENEFITS:** Optimizes DCT performance with:
- Excellent anti-wear protection
 - Exceptional low temperature fluidity
 - Extraordinary temperature protection
 - Remarkable foam resistance
 - Outstanding oxidative stability
 - High shear stability
 - Extended corrosion inhibition

USAGE: This product may be used in a wide range of DCTs and DSGs including but not limited to: Alfa Romeo, Audi, BMW, Chrysler, Fiat, Ferrari, Ford, Mercedes-Benz, Mitsubishi, Nissan, Peugeot/Citroen, Porsche, Seat, Skoda, Volkswagen, and Volvo.

Not for use in CVTs, traditional step-shift automatic transmissions or dry clutch applications.

BG Products, Inc., accepts no liability for excessive use or misuse of this product.