



GEAR ATF TYPE D



DESCRIPTION

ATF TYPE D is a premium quality automatic transmission fluid meeting the performance requirements of major U.S. and European car manufacturers. It is formulated with high quality base oils combined with viscosity index (VI) improvers, antioxidants, antiwear agents, detergents, defoamers and special friction modifiers to control the power shift.

APPLICATIONS

ATF TYPE D is recommended for first and service fill in GM automatic & semi-automatic transmissions that require a DEXRON IIIIG/IID fluid and Ford transmissions that require a MERCON fluid. It also meets the requirements of European makers such as ZF and Daimler's passenger car transmissions. It may be used in off-highway transmission, power steering, and other hydraulic systems that require a Dexron III or Allison C-4 fluid. It is not suitable for transmissions that require a FORD M2C-33F specification fluid.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Appropriate frictional characteristics.	Smooth, quiet shift performance at all speeds.
High viscosity index and high shear stability.	Low temperature fluidity for long operation periods.
Superior resistance to oxidation and thermal degradation.	Protection against formation of lacquers, sludge and other harmful deposits that interfere with the operation of transmission.
Improved wear protection and anti foam performance.	Extended transmission life.
Retention of frictional properties.	Extended service periods, power losses reduction.
Fully compatible with seal materials commonly used in automatic transmissions.	Transmission system cleanliness.

PHYSICAL-CHEMICAL CHARACTERISTICS

ATF TYPE D	METHOD	
Density at 15°C, g/cm ³	ASTM D1298	0,874
Viscosity, Kinematic (cSt) 100°C	ASTM D445	7,5
Viscosity, Kinematic (cSt) 40°C	ASTM D445	37,1
Viscosity index	ASTM D2270	175
Flash point, COC, °C	ASTM D92	180
Pour point, °C	ASTM D97	-42
Brookfield (-40°C), Cp	ASTM D 2983	18546
Color	-	Red

The abovementioned characteristics represent mean values.

SPECIFICATIONS

GM Dexron IIIIG, Dexron IID; Allison C-4; Ford Mercon®; Daimler MB 236.1, MB 236.5, MB 236.6, MB 236.7, MB 236.9; Voith 55.6335; ZF TE-ML 02F, 03D, 04D, 14A, 17C; Caterpillar TO-2; MAN 339 Type Z-1, 339 Type Z-2, 339 Type V-1, 339 Type V-2
Suitable: Volvo 97340, 97341