Product Bulletin

BRAD PENN® MULTI-VEHICLE ATF

BRAD PENN® MULTI-VEHICLE ATF is a multi-functional ATF incorporating advanced additive technology to meet the challenging demands of automatic transmissions in various North American, European and Asia Pacific vehicles (see approvals/"suitable for use" listings on back page). It is compatible with today's high performance transmission and also provides premium performance in older vehicles.

BRAD PENN® MULTI-VEHICLE ATF is designed to offer exceptional oxidation resistance, low temperature properties, minimize sludge and varnish deposits, and provide good cold-start shifting. This extremely versatile fluid also provides:

- Excellent wear protection/antiwear performance
- Frictional stability
- Good anti-foam properties
- Anti-shudder properties
- Excellent seal compatibility
- Viscosity retention
- Corrosion protection

BRAD PENN® MULTI-VEHICLE ATF
Typical Properties

	Test Method	
Density, lbs/gal	Calculated	7.08
API Gravity	ASTM D-1298	35.1
Specific Gravity	ASTM D-4052	0.8493
Viscosity, cSt @ 40ºC	ASTM D-445	35.8
Viscosity, cSt @ 100°C	ASTM D-445	7.6
Viscosity, SUS @ 100°F	ASTM D-2161	167.7
Viscosity, SUS @ 210°F	ASTM D-2161	51.1
Pour Point, °C	ASTM D-5949	-48
Flash Point, °F	ASTM D-92	365
TBN	ASTM D-2896	5.1
KF Moisture, ppm (max)	ASTM D-6304	200
Color	ASTM D-1500	Red
Product Code		**7423**

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March 2010

BRAD PENN® MULTI-VEHICLE ATF is approved for use in Allison C-4, Ford Mercon® V, JASO 1-A, Voith 55.6335.XX (G607) and Volvo 97340 applications. It is suitable for use in the following:

Aisin Warner AW-1*
Audi G 052 025-A2
Audi G-052-162-A1
BMW 7045E
BMW LA2634
BMW LT 71141
Chrysler ATF's
DEXRON®
DEXRON®-II
DEXRON®-II D
DEXRON®-III G
DEXRON®-III H
DEXRON® VI*
Esso LT 71141
Ford FNR5
Ford Mercon®
Honda ATF-Z1
Hyundai SP-II & SP-III
Hyundai NWS-9638*
Idemitsu K17
JWS 3309
Kia SP-II
Kia SP-III
MAN 339F
MAN 339 V1**
MAN 339 Z1
Mazda ATF-M III
Mazda ATF-MV
Mercedes Benz 236.1 / 236.2 / 236.5 / 236.6 / 236.7 / 236.9 / 236.10 / 236.11
Mitsubishi Diamond SP-II
Mitsubishi Diamond SP-III
Nissan Matic-D
Nissan Matic-J, Matic-K
Nissan Matic-S*
Shell 3403
Shell LA2634
Subaru ATF, ATF-HP
Texaco ETL-7045E
Texaco ETL-8072B
Texaco N402
Toyota T-III
Toyota T-IV
Toyota WS (JWS 3324)*
Volvo Pass. Car (4-6 sp)
Volvo 97341
VW G 052 025-A2
VW G-052-162-A1
ZF TE-ML 03D, 04D, 05L, 09, 11B 14A, 16L, 17C

* Viscosity Requirement Not Met

** Pending Extended Field Trial

BRAD PENN® MULTI-VEHICLE ATF is not recommended for the following applications:

Allison TES-295
Allison TES-389
Ford Type F
Ford Ford Mercon® SP
Ford Ford Mercon® LV
MAN 339 V2
MAN 339 Z2
MAN 339 Z3
Mercedes Benz 236.8 / 236.12 / 236.14
Saab 93 165 147
Shell M-1375.4
Voith 55.6336.XX (G1363)
ZF TE-ML 14B
ZF TE-ML 14C
CVT & DCT

Always consult the equipment owner's manual for proper fluid selection.