

AUTOMAT ATF-1A

Product Description

AUTOMAT ATF-1A is premium fully synthetic automatic transmission fluid especially developed to deliver anti-shudder durability for high performance of modern multi-vehicle automatic transmissions. It enhances outstanding wear protection, plus optimize proper frictional characteristic for enabling fast response and smooth gear shifting along with prolonging fluid life.

Benefits

- Provides excellent anti-shudder performance and vehicle drivability.
- Provides strong protection oil film, superior shear, thermal and oxidation stability.
- Offers suitable friction performance and lubricating characteristic for smoothly and precisely gear change.
- Provides good seal compatibility.
- Reduces engine wear and extends transmission life.

Applications

- Designed for high performance of modern multi-vehicle automatic transmissions (4-5 speeds) with lock up clutch torque convertor.
- Recommended for all models of automatic transmission required JASO 1A, DEXRON III, MERCON or below.
- Can be used for power steering fluid.

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Typical Characteristics

Tests	Methods	Units	Results
Density at 15 °C	ASTM D 4052	kg/m ³	0.848
Kinematic Viscosity at 40 °C	ASTM D 445	mm ² /s	36.0
Kinematic Viscosity at 100 °C	ASTM D 445	mm ² /s	7.45
Viscosity Index	ASTM D 2270		180
Flash Point	ASTM D 92	°C	214
Pour Point	ASTM D 5950	°C	-51

Standard

- JASO 1A
- DEXRON III
- Suitable for use:

OEMs	Specifications
Toyota	T, T-II, T-III, T-IV
Honda	ATFZ-1
Nissan	Matic-D, J, K, 402
Mitsubishi	SP-II, SP-III
Suzuki	ATF 2384K
Mazda	ATF-MIII, ATF-MV
Daihatsu	Ammix ATF D3-SP
Subaru	ATF, ATF-HP
Isuzu	BESCO ATF-II, ATF-III
Idemitsu	K17
Mercedes-Benz	236.1, 236.2, 236.3, 236.5, 236.6, 237.7, 236.9
BMW	7045E, LA2634, LT71141
Audi/VW	G 052 162, G 052 990, G055 025
Volvo	973404-6 speed
GMDexron	IID, IIIF, IIIG, IIIH
Ford	FNR5, Merconmodel 1982-2006
Hyundai/Kia	SP-II, SP-III, JWS 3314, 3317
Kia	Red-1
JWS	3309, 3314, 3317
Chrysler	ATFs, MOPAR AS68RC

Health and Safety

This product show no significant health or safety hazard when used under the recommended applications and handling.

Avoid the direct contact. Wash immediately after contact. Health and safety information is available on the Safety Data Sheet (SDS) which can be obtained from <http://pttlubricants.pttor.com>



The product can cause some skin irritation and has flash point higher than 93.4°C



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Note: Data and information contained in this publication are based on standard test under laboratory conditions and/or performance test. To consider the use of PTT Lubricants' products in particular application, customer is responsible for determining whether product and information are appropriate for customer conditions or should consult with PTT Lubricants' technical service division. The procedure of using any lubricant may differ or change depended on different machines and their manuals. Therefore, we recommend to read, understand and review the latest SDS in order to ensure the use of product is accomplished safety.

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