

# 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 (<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.

*The Moving Innovation* 

# AUTOMAT ATF-1A

## Typical Characteristics

Tests	Methods	Units	Results
Density at 15 °C	ASTM D 4052	g/cm <sup>3</sup>	0.848
Kinematic Viscosity at 40 °C	ASTM D 445	mm <sup>2</sup> /s	29.4
Kinematic Viscosity at 100 °C	ASTM D 445	mm <sup>2</sup> /s	6.4
Viscosity Index	ASTM D 2270		177
Flash Point	ASTM D 92	°C	204
Pour Point	ASTM D 5950	°C	-45

## Performance Standards

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

OEMs	Specifications
<b>Toyota</b>	T, T-II, T-III, T-IV
<b>Honda</b>	ATF Z-1
<b>Nissan</b>	Matic-D, J, K, 402
<b>Mitsubishi</b>	SP-II, SP-III
<b>Mazda</b>	ATF-M III, ATF-MV
<b>Daihatsu</b>	Ammix ATF D3-SP
<b>Subaru</b>	ATF, ATF-HP
<b>Isuzu</b>	BESCO ATF-II, ATF-III
<b>Idemitsu</b>	K17
<b>Mercedes-Benz</b>	236.1, 236.2, 236.3, 236.5, 236.6, 236.7, 236.9
<b>BMW</b>	7045E, LA2634, LT71141
<b>Audi/VW</b>	G 052 162, G 052 990, G055 025
<b>Volvo</b>	97340 4-6 speed
<b>GM Dexron</b>	IID, IIIF, IIIG, IIIH
<b>Ford</b>	FNR5, Mercon model 1982-2006
<b>Hyundai / Kia</b>	SP-II, SP-III, JWS 3314, 3317
<b>Kia</b>	Red-1
<b>JWS</b>	3309, 3314, 3317
<b>Chrysler</b>	ATFs, MOPAR AS68RC

## Health and Safety

This product shows no significant health or safety hazard when used under the recommended applications and suitable 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

**PTT LUBE** Professional Lubricant  
**SOLUTIONS** Service Partner

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.

The Moving Innovation