

ATF II (N)

Automatic Transmission Fluid

ATF II (N) is a high-performance automatic transmission fluid (ATF) that meets General Motors' DEXRON®-II standard for ATFs. It is made with a well-balanced blend of high-performance base oils and carefully selected friction modifiers, detergent-dispersants, oxidation inhibitors, viscosity index improvers, corrosion inhibitors, de-foaming agents and other additives.

● Special Features

1. High Viscosity Index and Good Low-Temperature Flow Properties

ATF II (N) provides good flow properties at low temperatures and maintains a suitable viscosity at high temperatures, because it is blended with high-performance base oils and carefully selected viscosity index improvers.

2. Excellent Oxidative Stability

ATF II (N) suppresses oil deterioration and prevents the occurrence of varnish and sludge, because it also contains carefully selected oxidation inhibitors that provide excellent oxidative stability.

3. Superb Friction Characteristics

ATF II (N) demonstrates appropriate friction characteristics against wet clutches, brakes, etc. by balancing the carefully selected additives including friction modifiers.

4. Excellent in anti-wear performance and extreme pressure property

ATF II (N) prevents abrasion and seizure of each part of the transmission even when used for a long time, because it contains carefully selected anti-wear agent (extreme pressure agent)..

5. Good Compatibility with Transmission Components

ATF II (N) has good compatibility with both the nonmetallic components of transmissions, such as seals, and the metallic components, such as washers and clutches, so it does not soak into the components and it ensures that the fluid joints and transmissions function smoothly.

6. Outstanding Performance in Other Areas

ATF II (N) also offers outstanding de-foaming, detergency, and other types of performance required for ATFs.

● Applications

- (1) Automatic transmissions.
- (2) Power steering systems.

● Containers

200-liter drums and 20-liter cans.

● Typical Properties of ATF II (N)

Color		Red
Density	(15°C) g/cm ³	0.863
Flash point	(COC) °C	194
Pour point	°C	-45 max.
Kinematic viscosity	(40°C) mm ² /s	33.03
	(100°C) mm ² /s	7.013
Viscosity index		181
Viscosity, Brookfield(-40°C)	mPa·s	12,000
Acid number	mgKOH/g	1.31
Base number(HCl method)	mgKOH/g	1.27
Foaming	ml/ml	Seq. I
		Seq. II
		Seq. III
		0
		20/0
		0

Note: The typical properties may be changed without notice.(December 2008)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil, Additives
Precautionary pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Not applicable
Precautionary Statements:	
Prevention	<ul style="list-style-type: none">• Do not handle until all safety precautions have been read and understood.• Wear protective gloves/protective clothing/eye protection/face protection.• Do not allow the eyes to become exposed to the product. Do not swallow the product.• Wash hands thoroughly after handling.• Do not eat, drink or smoke when using this product.
Response	<ul style="list-style-type: none">• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.• IF ON SKIN: Wash with plenty of soap and water.
Storage	<ul style="list-style-type: none">• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.• Containers that have been opened must be tightly sealed.
Disposal	<ul style="list-style-type: none">• Dispose of contents/container in accordance with local/regional/national/international regulations.• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.