

# AUTOMATIC D2

## Transmission Fluid for Industrial Machineries

**AUTOMATIC D2** is a high-performance transmission fluid that meets General Motors' DEXRON®-II standard. 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. **AUTOMATIC D 2** is the optimum lubricant for industrial machines, construction machineries and others with hydraulic transmissions.

### ● Special Features

#### 1. Meets DEXRON-II standard

Performance of automatic transmission oil must perform various purposes such as power transmission oil, heat transfer oil, gear oil, hydraulic oil etc. The performance standards are detailed in the DEXRON standard of GM (General Motors).

**AUTOMATIC D 2** has passed the DEXRON®- II standard and has the performance as automatic transmission oil.

(Note) Currently, licensing approval of the DEXRON® - II standard has been terminated.

#### 2. Good Compatibility with Transmission Components

**AUTOMATIC D 2** has good compatibility with both the nonmetallic components of transmissions such as seals, and the metallic components such as washers and clutches, so it reduces the functional deterioration of each part.

### ● Applications

- (1) Hydraulic transmission for industrial machineries  
Fans, blowers, pumps, etc.
- (2) Hydraulic transmission for construction machineries  
Tractor, bulldozer, crane, winch etc.
- (3) Hydraulic transmission for transport machines  
Fork lift, collecting machine, various conveyors, etc.
- (4) Hydraulic transmission of ship's deck machines

(5) Hydraulic transmission for dredgers  
Pump ship, bucket ship, dipper ship etc.

(6) Hydraulic transmission for mining machineries  
Well drilling machine, crusher, etc.

### ● Containers

200-liter drums, 20-liter cans and 4-liter cans (6 pieces)

### ● Typical Properties of

#### AUTOMATIC D 2

Color		Red
Density	(15°C) g/cm <sup>3</sup>	0.869
Flash point	(COC) °C	196
Pour point	°C	-45
Kinematic viscosity	(40°C) mm <sup>2</sup> /s	35.2
	(100°C) mm <sup>2</sup> /s	7.08
Viscosity index		168
Viscosity, Brookfield(-20°C)	mPa·s	1,400
	(-30°C) mPa·s	5,800
	(-40°C) mPa·s	30,000
Acid number	mgKOH/g	0.22
Base number( D664 )	mgKOH/g	2.40
Aniline point	°C	96
Foaming	ml/ml	Seq. I
		Seq. II
		Seq. III
		10/0
		20/0
		0/0

Note: The typical properties may be changed without notice.(Feb. 2010)



## Handling Precautions

▼ Follow these precautions when handling this product.

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