

## Valvoline™ Classic Blue™ 80W-90

Valvoline™ Classic Blue™ SAE 80W-90 is formulated to meet the requirements of driveline manufacturers who recommend an API Service Classification GL-5 gear oil. Valvoline™ Classic Blue™ SAE 80W-90 contains excellent extreme pressure performance additives, ensuring maximum gear protection.

Valvoline™ Classic Blue™ SAE 80W-90 is recommended for use in automotive applications, hypoid differentials and spiral bevel rear axles/transaxles where an API GL-5 gear oil is specified.

### Specifications and Approvals

|   |
|---|
| <b>Valvoline™ Classic Blue™ 80W-90*</b> |
| <b>SAE 80W-90</b>                       |
| <b>API GL-5</b>                         |
| <b>MIL-PRF-2105E, MIL-L-2105D</b>       |
| <b>SAE J2360</b>                        |

\*Check owners' manual before use.

### Applications

Valvoline™ Classic Blue™ SAE 80W-90 is suitable for use in Passenger car, 4WD, SUV, light and heavy commercial applications where API GL-5 specification is recommended such as,

- Hypoid Differentials
- Manual Gearboxes
- Transfer case
- Transaxles

### Features and Benefits

#### **Superior Protection**

Valvoline™ Classic Blue™ SAE 80W-90 fight the major causes of gear failure – deposits, rust and wear.

#### **Extreme Pressure Properties**

The advanced Extreme Pressure additive ensures maximum wear protection and enhances component life.

#### **Viscosity Control**

Wide operating range delivers enhanced component durability and protection.

#### **Wear protection**

The advanced Anti-wear additive system ensures maximum wear protection and enhances component life.

#### **Superior Water Separation**

Very good demulsibility performance for enhance rust protection, longer fluid life and increased component life.

## Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit [www.valvoline.com.au](http://www.valvoline.com.au) or contact the Technical Hotline on 1800 804 658 for product recommendations.

## Typical Properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline™ specifications, variations in these characteristics may occur.

| Valvoline™ Classic Blue™ SAE 80W-90               | Typical |
|---|---------|
| SAE Viscosity Grade                               | 80W-90  |
| Viscosity @ 100 °C, mm <sup>2</sup> /s, ASTM D445 | 13.76   |
| Viscosity @ 40 °C, mm <sup>2</sup> /s, ASTM D445  | 122.2   |
| Viscosity Index, ASTM D2270                       | 110     |
| Density @ 15 °C, kg/L, ASTM D4052                 | 0.887   |
| Flash Point (COC), °C, ASTM D92                   | 236     |
| Pour Point, °C, ASTM D5950                        | -30     |

**Note:** Valvoline™ Classic Blue™ SAE 80W-90 may be unsuitable for use in some applications, always consult owners' manual if in doubt.

This information only applies to products manufactured in the following location(s): Australia

| Part Number | Pack Size |
|-------------|-----------|
| 1178.20     | 20L       |
| 1178.51     | 205L      |
| 1178IBC     | 1000L     |

## Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request via your local sales office or 1800 804 658 or through our website [www.valvoline.com.au](http://www.valvoline.com.au)

## Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

## Storage

Storage We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60 °C, exposed to hot sun or freezing conditions.

## Author:

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Replaces - 1178/02