

# Product data

## Transmax Z

### Product Description

Castrol Transmax Z is a fully synthetic automatic transmission fluid with outstanding oxidation and friction stability. It is dyed green for easy identification.

Castrol Transmax Z is a DEXRON III type automatic transmission fluid intended to satisfy all DEXRON III, II E and D requirements. It helps provide a smooth shift and long life in both passenger car and heavy duty automatic transmissions. Also recommended for power steering systems where automatic transmission fluids are recommended.

### Product Application

Castrol Transmax Z is recommended where either DEXRON III, II E or II D fluids are specified. Castrol Transmax Z has proved most suitable in severe service applications where high temperatures have reduced transmission life. Castrol Transmax Z has been shown to reduce automatic transmission fluid temperatures by up to 20°C in severe duty applications.

Typical applications include:

- ◆ Heavy duty automatic transmissions with integral retarders.
- ◆ Transmissions of vehicles used for towing.
- ◆ Transmission retarders.
- ◆ Racing application.
- ◆ Long drain applications.
- ◆ Ford A4 LD transmissions in taxis and transit vans.

Testing has been carried out in automatic transmissions of passenger cars and buses. Therefore, this product is suitable for both types of automatic transmissions, in particular in cold climates, to improve the shiftability or under hot/severe conditions for bus transmissions to extend the oil drain interval.

### Extended drain interval in heavy duty automatic transmissions

- ◆ City and Suburban service 100,000km or 2 years
- ◆ On-Highway 300,000km or 2 years
- ◆ For all long drain oil applications, Castrol Labcheck or other oil and wear metal monitoring is required to ensure optimum performance and durability.

NOTE: **Castrol Transmax Z** is NOT recommended where Ford M2C-33F or G fluids are specified.

- ◆ Also recommended for power steering systems and manual transmission applications where DEXRON III or II fluids are specified.
- ◆ Although **Castrol Transmax Z** is compatible with conventional mineral DEXRON III or II fluids, its performance is maximised if it is not mixed with these other ATF's.
- ◆ Very successfully used in drag racing applications in Australia, in Powerglide to Lenco transmissions, for Super Street to Top Alcohol competitors.

**Castrol Transmax Z** is approved by Voith, Mercedes Benz and ZF for commercial vehicle applications.

### Product Features & Benefits

**Castrol Transmax Z** shows excellent cold flow performance, very good anti-wear performance, outstanding friction durability and excellent oxidation stability.

Compared to typical mineral DEXRON III type ATF's **Castrol Transmax Z** offers the following advantages:

- ◆ Outstanding resistance to high temperature oxidation - suitable for severe service.
- ◆ Longer oil drain intervals - lower service costs.
- ◆ Viscosity stability, i.e. less noise when hot - maintains new oil feel and higher performance.
- ◆ Better control of deposits - cleaner transmission - longer life.

- ◆ Helps prolong seal and bearing life due to good thermal stability - improved transmission life.
- ◆ Better wear control - less noise and longer transmission life.
- ◆ Helps reduce oil temperature in severe applications - improved transmission and oil service life.
- ◆ Low foam - stable gearshift performance when hot.
- ◆ Lower volatility - negligible oil loss at extreme temperatures.
- ◆ Compatible with mineral/conventional automatic transmission fluids.
- ◆ Less disposal cost - longer service life, therefore less oil to dispose of.
- ◆ Better cold shift behaviour - more consistent/comfortable shift from cold starts.

**Castrol Transmax Z** shows outstanding friction durability compared to a wide range of mineral automatic transmission fluids and synthetic automatic transmission fluids.

This means the smooth shift characteristics of **Castrol Transmax Z** are retained much longer than other fluids even under severe operating conditions.

### Typical Characteristics

SAE Grade	KV @ 40°C (cSt)	KV @ 100°C (cSt)	cP @ -40°C	Density @ 15°C	Viscosity Index	Pour Point (°C)	Closed Flash Point (°C)	Colour
0W-20	36	7.1	Approx. 8400	Approx. 0.836	Approx. 170	Below -60	226	Green

### Performance Levels

- ◆ Dexron III, Dexron II, Dexron, Type A Suffix A.
- ◆ ZF TE-ML 09, 14, Extended Drain
- ◆ Mercedes-Benz 236.81
- ◆ Allison C4
- ◆ Voith E607

## Health, Safety & Environment

Castrol Transmax Z is considered non-hazardous according to Worksafe. However, in line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data Sheet be followed.

### Spillage

- Small:** Soak up using an inert mineral adsorbent such as Castrol Diatomaceous Earth and dispose of in the appropriate manner.
- Large:** Corrective action usually dictated by individual company safety procedures. Immediate containment and subsequent removal is essential.
- Disposal:** Oily materials must not be allowed to enter groundwater, watercourses, sewerage or drainage systems. Refer to local Waste Disposal Authority for legal requirements.

### Product Removal

- Bare Metal Surfaces:** Remove with Castrol solvent cleaners or water based degreasers.
- Hand Cleaning:** Use any of the Castrol range of hand cleaners, e.g. CareClean Plus.
- Other Surfaces:** Contact your local Special Products Division in each State Office.

Although all reasonable care has been taken to ensure that the information contained in this publication is accurate as at the time of printing, such information is nevertheless liable to variation in the event of changes occurring subsequent to the date of printing it: the blend formulation, methods of storage, or due to the improper handling or application of any of the products referred to, or in the requirements of any specification or approval relating to any of the products.

**For more information contact: Castrol Australia Pty Limited (ABN 87 008 459 407)**

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