

## **Castrol ATF Heavy Duty (Replaces Castrol TQ-D III)** Automatic Transmission Fluid

### **Description**

Castrol ATF Heavy Duty is an automatic transmission fluid specifically designed to meet the requirements of Volvo Trucks 97341, Allison TES 389, superseded General Motors Dexron® IIIH, Ford Mercon and Allison C4 specifications.

It is suitable for use in General Motors automatic transmissions pre 2007 and also all other makes of automatic transmissions for which Dexron® III fluids are specified.

It is fully compatible with earlier Dexron® and Mercon® type fluids and maybe used for topping up or completely replacing. Castrol ATF Heavy Duty is dyed red to distinguish it from engine oils should leakage occur.

### **Application**

Castrol ATF Heavy Duty is recommended for Volvo equipment that specify 97341 fluids and Allison automatic transmissions where TES 389 or the superseded C3 or C4 fluids are specified.

Castrol ATF Heavy Duty is manufactured to the last generation Dexron® IIIH automatic transmission fluid performance. It is recommended for many transmissions used in General Motors cars, Holden, Isuzu, Opel and Hydramatic® transmissions used in a range of vehicles.

It is recommended for other transmissions where Dexron® and Dexron® II fluids are specified. Castrol Transmax Z synthetic automatic transmission fluid is approved for long drain for many European commercial vehicle applications.

Castrol ATF Heavy Duty is not suitable where Ford M2C-33 or other specialist fluids, not mentioned above, are recommended.

Castrol ATF Heavy Duty is also recommended for automatic transmissions of the following vehicles:

- Toyota Most models prior to 2002
- MAZDA Most models up to 2002.
- NISSAN Most models up to 2004.
- SUBARU All models except 5-speed, prior to 2008
- HOLDEN All models up to 2006.
- VOLVO TRUCKS Where Volvo 97341 approved fluids are specified.
- ALLISON TES 389, replaces C4

Castrol ATF Heavy Duty may be used in power steering systems for the majority of cars, light commercial vehicles and tractors except where specialist fluids are recommended e.g. Honda, Mercedes-Benz, SAAB, etc.

Suitable for many hydraulic systems where ISO 22 or 32 Hydraulic Oils or SAE 10W Engine Oils are recommended.

## Advantages

- Formulated to provide optimised seal compatibility meeting Allison TES 389 requirements
- Enhanced high temperature performance giving improved and more durable shift feel on gear changes.
- Increased resistance to oil oxidation and degradation.
- Increased clutch band and clutch pack capacity.
- Improved protection of copper and bronze components.
- Improved low temperature fluidity compared to Dexron® IID, Dexron® and type Suffix A fluids.
- Longer transmission component service life especially in high load applications.
- Enhanced life of copper alloy based components and improved fluid service.

## Typical Characteristics

Name	Method	Units	ATF Heavy Duty
Density @ 15°C	ASTM D4052	g/ml	0.851
Colour	ASTM D1500		Red
Appearance	Visual		Bright and clear
KV @ 40°C (cSt)	ASTM D445	mm <sup>2</sup> /s	35
KV @ 100°C (cSt)	ASTM D445	mm <sup>2</sup> /s	7.6
Viscosity Index	ASTM D2270	None	185
Pour Point	ASTM D97	°C	<-40
Closed Flash Point	ASTM D92	°C	184

The above data is typical and does not constitute a specification.

## Product Performance Claims

Castrol ATF Heavy Duty is suitable and recommended where the following performance levels are specified:

- Volvo 97341
- Allison TES 389, (C4, C3 superseded)
- Dexron® IIIH, G and F, Dexron® IIE, Dexron® IID, Dexron®, Type A Suffix A now superseded.
- Holden HN 2126;
- Mazda M – III Fluid;
- Ford Mercon IV;
- Ford M2C – 138 CJ.

## 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 Technical Advice Line on 1300 557 998.

Castrol ATF Heavy Duty  
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Castrol Australia Pty Limited, - ABN 87 008 459 407 GPO Box 5222, Melbourne VIC 3001  
Technical Advice Line 1300 557 998 / Customer Service 1300 554 890  
[www.castrol.com.au](http://www.castrol.com.au)

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