Technical News

TN-04-2005-11-EE

TRW Brake Fluid Range - Specifications and Applications

TRW Brake Fluids cover all market needs and, not only meet, but far exceed all International Specifications. This means a higher level of performance in critical properties such as Boiling Points - see specifications and applications guide below.

DOT 3	DOT 3 Specification	TRW DOT 3	Recommended Application
Dry Boiling Point	205°C	**243°C**	Vehicles with drum brakes front and rear.
Wet Boiling Point	140°C	**151°C**	Hydraulic Clutch System

DOT 4	DOT 4 Specification	TRW DOT 4	Recommended Application
Dry Boiling Point	230°C	**270°C**	Vehicles with Disc Brakes on front, Drum Brakes on rear.
Wet Boiling Point	155°C	**163°C**	Vehicles with Disc Brakes all round.
			Suitable for vehicles with ABS systems.

DOT 4 - ESP	DOT 4 Specification	TRW DOT 4 - ESP	Recommended Application
Dry Boiling Point	230°C	**270°C**	Vehicles with ESP/ASR and other conventional brake systems using Gycol Ether based Brake Fluids; specially formulated to enable Electronic Stability Program (ESP) systems to operate effectively over a wide temperature range.
Wet Boiling Point	155°C	**171°C**	

DOT 4 - Racing	DOT 4 Specification	TRW DOT 4 - Grand Prix 600	Recommended Application
Dry Boiling Point	230°C	**min. 312°C**	Very high performance brake fluid specifically formulated to give ultimate safety and reliability in the most extreme Race and Rallye conditions.
Wet Boiling Point	155°C	**min. 204°C**	

DOT 5.1	DOT 5.1 Specification	TRW DOT 5.1	Recommended Application
Dry Boiling Point	260°C	**269°C**	Heavy, high performance cars, including those fitted with ABS systems. Formulated to provide an extra margin of safety. Improved viscosity performance at -40°C makes it safer for use in extremely cold climates.
Wet Boiling Point	180°C	**187°C**	

SSF		TRW SSF	Recommended Application
Dry Boiling Point		**235°C**	SSF Synthetic Fluid for Hydraulic Systems has been specifically formulated for use in the combined steering and suspension system on the Citroen C5; it is also suitable for use in other models where Citroen LDS fluid is specified.
Wet Boiling Point			

Brake Fluid Performance

Brakes work by converting energy into heat. Some of this heat is absorbed by the brake fluid. If brake fluid boils, „vapour lock" will occur, which, for the driver, means brake failure. Therefore, brake fluid must start with a high boiling point, known as the „Dry Boiling Point". But brake fluid absorbs moisture from the air, which, in time, lowers the boiling point and its performance.

So TRW brake fluids have been developed to maintain their performance in use for as long as possible. However, for maximum safety and braking performance, TRW recommend: Brake Fluid to be changed at least every 2 years!