



React Performance DOT 4

Super DOT4 brake fluid

Description

Castrol React Performance DOT 4 is a high boiling point synthetic brake fluid which far exceeds the requirements of the SAE J1704, FMVSS 116 DOT 3 and DOT 4, ISO 4925 and JIS K2233 specifications. The product has been formulated from mixed polyalkylene glycol ethers and borate ester together with other high performance additives and inhibitors which give ultimate system protection against corrosion and high temperature vapour lock.

Application

Castrol React Performance DOT 4 is designed for use in all brake systems, particularly those which are exposed to extreme conditions such as in high performance vehicles, continuous braking or stop-start driving, in hilly terrain or under racing conditions, where high brake temperatures may be generated.

Castrol React Performance DOT 4 may be used with either disc or drum brakes, including in vehicles fitted with anti-lock braking systems (ABS). It is also suitable for use in hydraulic clutch systems.

It is fully compatible with other fluids meeting FMVSS 116 DOT 3, DOT 4 and DOT 5.1, however to maintain the superior performance characteristics of Castrol React Performance DOT 4, avoid mixing with other brake fluid products.

As with all brake fluids which contain glycol ethers, care should be taken to avoid spilling this product on paintwork as it may have a damaging effect. In case of spillage rinse the affected area with water immediately. Do not wipe.

Conditions of Use

Castrol React Performance DOT 4 is suitable for use in all hydraulic brake systems in cars, motorcycles and light commercial vehicles requiring either DOT 3 or DOT 4 performance products (excluding those systems where a mineral oil based fluid is specified).

All conventional brake fluids deteriorate during use. It is strongly recommended that Castrol React Performance DOT 4 should be changed according to the vehicle manufacturer's advice. In the absence of such instructions, a 2 year change period is recommended.

Advantages

Castrol React Performance DOT 4 provides excellent high temperature performance and offers an alternative to DOT 5.1 fluids.

- High boiling point, far exceeding the requirements of DOT 3 and DOT 4 specifications
- Superior protection against vapour lock, designed with a performance reserve over its service life compared to conventional DOT 4 brake fluid
- Outstanding protection against corrosion
- Exceeds performance requirements of SAE J1703, SAE J1704, FMVSS 116 DOT 4, ISO 4925 (Class 4) and JIS K2233
- High resistance to brake fade under extreme service conditions

Typical Characteristics

Name	Method	Units	Castrol React Performance DOT 4
Viscosity, Kinematic -40C	IP 71	mm ² /s	1200 typical
Density @ 20C	IP 160	g/ml	1.07
Wet Equilibrium Reflux Boiling Point	SAE J1703	°C	180 min
ERBP (Equilibrium Reflux Boiling Point)	ASTM D1120	°C	260 min
Appearance	Visual	-	Clear & Bright, yellow liquid
pH	SAE J1703	pH	7.2

Product Performance Claims

FMVSS 116 - DOT 4
ISO 4925 Class 4
JASO JIS K2233
SAE J1703
SAE J1704
AS 1960.1-2005 Grade 3

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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