



Gulf Brake Fluid DOT 4

High performance hydraulic brake fluid

Product Description

Gulf Brake Fluid DOT 4 is high performance poly glycol based brake fluid specially designed for use in disc, drum & Anti-locking Brake Systems (ABS) of any commercial vehicles, passenger cars and motorcycles operating under moderate to severe conditions and requiring a DOT 4 type of fluid. This product owing to its higher boiling point reduces the impact of moisture absorption and provides reliable braking performance. It contains oxidation and corrosion inhibitors to resist oxidation at the high temperatures encountered in the disc braking systems and to provide superior protection against corrosion of metallic components of the brake system. It exceeds the performance requirements of United States Federal Motor Vehicle Safety Standard (FMVSS) 116 DOT 4.

Features & Benefits

- High boiling point reduces the impact of moisture absorption while in service and provides reliable braking performance
- Superior oxidative stability resists oxidation at high temperatures encountered in disk braking systems
- Superior high temperature stability and low temperature fluidity ensure trouble free operation
- Effective corrosion inhibitors provide long term corrosion protection to the metallic components of the brake systems
- Provides lubricity and system protection
- Compatible with all seals and metals used in conventional braking systems requiring poly glycol brake fluids

Applications

- Hydraulic brake fluid systems in cars, motorcycles and commercial vehicles where DOT 4 type of brake fluid is specified
- Disc and drum brakes including modern vehicles fitted with ABS requiring DOT 4 quality fluids
- For improved braking performance, it can also be used in hydraulic brake systems of vehicles requiring DOT 3 or SAE J 1703 quality fluids
- Hydraulic clutch systems requiring fluids of this quality

Warnings

- Gulf Brake Fluid DOT 4 should never be used in place of or mixed with silicone based brake fluids (DOT 5) nor should be used where DOT 5.1 fluid is required
- All brake fluids should be kept clean and dry. Dirt or water contamination can affect the performance of brake fluid and could cause brake system failure
- Brake fluids can affect the vehicle paintwork, so remove spills immediately without rubbing

Specifications, Approvals & Typical Properties

Meets the following Specifications		
FMVSS 116 DOT 4		
Typical Properties		
Test Parameters	Test Method	Test Values
Viscosity @ -40 °C, cSt	FMVSS 116	< 1800
Viscosity @ 100 °C, cSt	FMVSS 116	> 1.5
Equilibrium Reflex boiling point (ERBP), °C	FMVSS 116	> 230
Wet ERBP, °C	FMVSS 116	> 155
pH value	FMVSS 116	7.0 to 11.5
Density @ 15°C, Kg/l	D 1298	1.06

Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

Gulf Oil International

The information contained herein is believed to be correct at time of publication. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the products. Gulf Oil International reserves the right to modify and change its products and specifications without prior notice.

www.gulfoilltd.com