



PETROMAX BRAKE FLUIDS

PRODUCT DESCRIPTION:

PETROMAX Brake Fluids are high-performance synthetic brake fluid, specifically formulated with antioxidants, metal deactivators, and corrosion inhibitors. These additives ensure the fluid's longevity and protect brake system components. With its high boiling point, it effectively prevents vapour lock issues even in extreme temperature conditions.

APPLICATION:

PETROMAX Brake Fluids meet the standards of leading motor vehicle manufacturers for clutch and brake systems. They are compatible with all hydraulically operated braking systems and are ideal for vehicles equipped with anti-lock braking systems (ABS). Suitable for hydraulic clutch systems that require conventional fluids, **PETROMAX Brake Fluids** are perfect for a wide range of applications, including passenger cars, commercial road transport, off-highway vehicles, mining equipment, agricultural tractors, and motorcycles.

DOT 3: Suitable for use where the vehicle manufacturer specifies DOT 3 brake fluid.

DOT 4: Suitable for use where the vehicle manufacturer specifies DOT 3 or DOT 4 brake fluid. It offers superior performance and longevity compared to DOT 3 fluids.

DOT 5.1: Suitable for use where the vehicle manufacturer specifies DOT 3, DOT 4, or DOT 5.1 fluids. It is compatible with all types of seals, hoses, and other brake and clutch system components.

Note: Intermixing brake fluids of different grades is not recommended, as it may negatively affect the braking performance of some systems. This product is not miscible with silicone-based brake fluids and is not compatible with mineral or synthetic oil-based fluids.

FEATURES & BENEFITS:

- **Enhanced Protection Against Vapour Lock:** This advanced fluid offers superior resistance to vapour lock compared to lower-grade alternatives, ensuring safer and more reliable performance.
- **Stable Alkaline pH Maintenance:** Its buffered formulation keeps the pH level consistently in the alkaline range, effectively protecting cast iron and steel components from degradation.
- **Comprehensive Corrosion Defence:** The fluid's specialised inhibitors shield a broad spectrum of metals—including aluminium, brass, copper, zinc, and tin—from corrosion, enhancing overall durability.
- **Leak Prevention and Wear Reduction:** With built-in seal swelling and lubricity properties, this fluid minimises the risk of leaks and reduces wear on components, promoting longer service life.
- **Thermal and Oxidative Stability:** Designed to withstand thermal and oxidative stress, the fluid maintains its critical performance features throughout its service life, resisting degradation over time.
- **Versatility Across Vehicle Types:** Its suitability for a diverse range of vehicles simplifies inventory management and meets the needs of various applications.

PERFORMANCE LEVEL MEETS:

DOT 3 - FMVSS No 116 DOT 3, SAE J1703, ISO 4925 Class 3, AS 1960-2005 Grade 1

DOT 4 - FMVSS, No. 116, DOT 4 and DOT 3, SAE J1703/J1704, ISO 4925 Class 4&3

DOT 5.1 - FMVSS 116 DOT 5.1, DOT 4 and DOT 3, SAE J1703/ J1704, ISO 4925 (Class 5.1, 4 & 3)

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	DOT 3	DOT 4	DOT 5.1
Kinematic Viscosity @ 100C, min	D445	cSt	2.3	2.1	2.17
Kinematic Viscosity @ -40C	D445	cSt	1290	1195	820
Density @15°C/ 60°F	D4052	g/cm ³	1.030	1.035	1.067
DRY ERBP, min	D1120	°C	240	268	276
WET ERBP, min	D1120	°C	148	166	188
pH	D1287	-	9	9	8

Note: The characteristics mentioned above are typical values and should not be considered product specifications.

Health and Safety

PETROMAX brake fluid, when used as directed and with proper personal hygiene, is not expected to pose significant health or safety risks. It's important to avoid skin contact and utilise gloves when handling used fluid. In case of skin exposure, promptly wash with soap and water. For detailed Health and Safety guidelines, refer to the corresponding Safety Data Sheet accessible at <https://petromaxindustries.com>.

Protect the Environment

Please ensure to dispose of used oil at a facility authorised for collection. Do not release it into drains, soil, or water sources.

Storage

We recommend storing all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.