



A Better Class of Oil

PENBLUE AdBlue®

For light and heavy duty diesel vehicles with SCR systems

NEW

Using PENBLUE

Penblue is added to a separate storage tank on the vehicle.

Penblue Adblue® is a reduction agent for oxides of nitrogen(NO_x), required by SCR (Selective Catalytic Reduction) technology in diesel vehicles, to comply with the emissions standards imposed by the European regulations EURO 4 & EURO 5.

Suitable for a number of diesel powered passenger vehicles.

Industry Specifications

DIN 70070, AUS32, ISO 22241
AdBlue® is a trademark of Verband der Automobilindustrie e.V

Available sizes and Product Codes

Available in	10L	PENBLUE010
	210L	PENBLUE210
	1000L	PENBLUE1000



Penblue Benefits

- Reduced NO_x emissions generated during the combustion process.
- Reduces Carbon Monoxide Immissions.

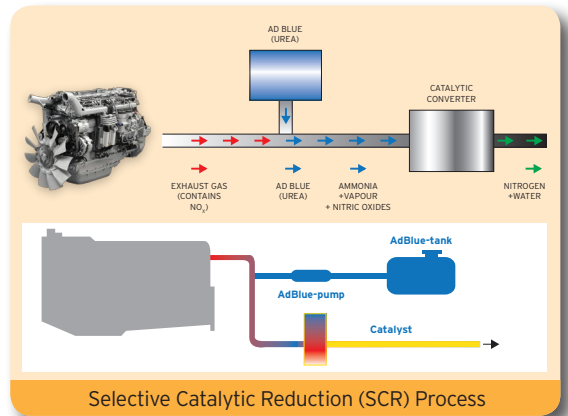
Selective Catalytic Reduction (SCR) Process

Description

AdBlue® is the registered trademark for AUS32 (Aqueous Urea Solution 32.5%) and is used in a process called Selective Catalytic Reduction (SCR) to reduce emissions of oxides of nitrogen from the exhaust of diesel vehicles. As the name AUS32 would suggest, it is a 32.5% solution of high-purity urea in demineralised water that is clear, non-toxic and is safe to handle. However, it can be corrosive for some metals and must be stored and transported using the correct materials. The AdBlue® trademark is currently held by the German Association of the Automobile Industry (VDA), who ensure quality standards are maintained in accordance with ISO 22241, DIN70070 specifications.

AdBlue® is carried onboard SCR-equipped vehicles in specially designed tanks and is dosed into the SCR system at a rate equivalent to 3-5% of diesel consumption. This low dosing rate ensures long refill periods and minimises the tank's impact on chassis space.

All European truck manufacturers currently offer SCR equipped models, and the future Euro VI emission standard is set to reinforce the demand for this technology. SCR systems are sensitive to potential chemical impurities in the urea solution. Therefore, it is essential to maintain high standards of AdBlue® quality according to the ISO 22241 standard.



SCR Benefits

- An engine with SCR can be set to run at optimum efficiency without compromising performance to meet emission regulations.
- SCR is proven emissions technology used in over 250,000 vehicles in Europe today and is the preferred choice of market-leading truck and bus manufacturers.
- The cleanest, most elegant design to reduce NO_x and PM pollutants.
- Future proof - Experts predict that by 2014 all engines in this class will need to use some form of SCR to comply with Tier4/Euro 4 emission regulations.
- SCR is the cleanest technology today - converts NO_x to nitrogen and water.

To place a product order please contact your local representative or call Penrite Customer Service on AUSTRALIA: 1300.PENRITE (736 748) NZ: 0800 533 698



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