



Air1[®] OptiSpray[™]

Reduce your vehicle downtime by using Air1[®] OptiSpray[™]





Reduce your vehicle downtime by using Air1® OptiSpray™

Prevent deposit formation with Air1® OptiSpray™

Specifically developed by Yara, a pioneer and the world's largest producer of AdBlue, Optispray is a Yara patent pending product. OptiSpray prevents deposit formation in your vehicle's SCR system. Optimized for use in low engine load situations, it suits all vehicles with SCR catalysts. Based on 32.5% urea solution, it conforms to the purity specifications of the ISO 22241 standard for AdBlue.

Reduce your vehicle downtime and maintenance costs for vehicles operating in low engine load situations, by using Air1 OptiSpray as an AdBlue product replacement.

Protect your vehicle from deposit build up and keep in running

You may have experienced urea deposit formation in your vehicle's SCR system. This may happen when you run SCR vehicles on a daily basis at low average speed, idling, and with a high number of stop/starts. This kind of operation can be a challenge to the SCR system, especially in cold conditions. When the exhaust temperature is low, or there are cold spots in the exhaust system, an increased risk of deposit build up may occur in the SCR catalyst system, which can cause blockages. This may result in higher fuel consumption, extra maintenance schedules and unwanted downtime of the vehicle.

Air1 OptiSpray has a low concentration (<0.05%) surfactant additive, active in preventing deposit buildup. This means no adverse effects on the SCR catalyst.

With Air1 OptiSpray, you prevent urea deposit build up in the exhaust and SCR catalyst inlet. This reduces your maintenance costs, and minimizes your vehicle downtime resulting in a more cost effective and efficient business operation.

Proven performance

Vehicle manufacturers have tested Air1 OptiSpray in various conditions and at low exhaust temperatures. Trials have been conducted using engine test beds and in the field with over 100 vehicles being analysed. Air1 OptiSpray has demonstrated a reduction in deposit formation in all tests and all field test results demonstrated problem free operation. The vehicles tested previously used ordinary AdBlue, and experienced SCR back pressure alarms at unacceptable intervals, some as short as every three weeks.

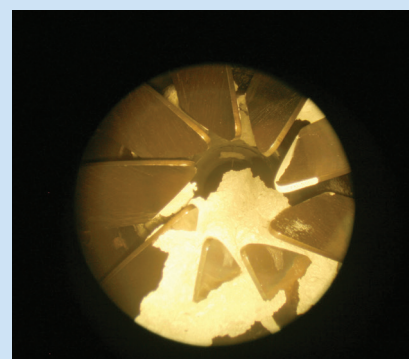
Designed for low engine load fleets but effective on all SCR vehicles

Air1 OptiSpray is ideal for low engine load fleets, or those operating in cold conditions: city buses, urban distribution, refuse trucks, and other low engine load applications. However, Air1 OptiSpray can also be used with SCR vehicles operating with high engine loads and long distances; thus, you will not need to use two separate AdBlue products in mixed engine load fleets. One product will cover all your needs.

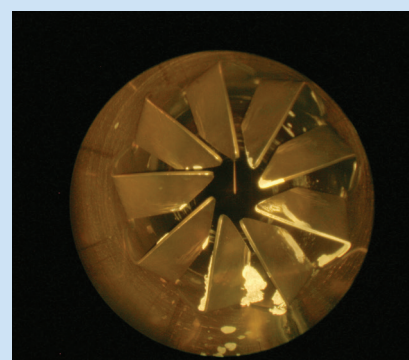
Air1® OptiSpray™ comes in your usual AdBlue equipment

Air1 OptiSpray is available in 1000L IBCs and can be dispensed using your dedicated AdBlue equipment. It is also available in pallets of 40 x 10L cans.

Engine test-bed trials under low temperature conditions showing deposit formation within the mixing zone (which is located between the AdBlue dosing point and SCR catalyst)



Trial results show use of AdBlue causes urea deposits and clogging of the exhaust



Replacing the use of AdBlue with Air1 OptiSpray prevents almost all urea deposits allowing the system to operate effectively

