

WILL ADBLUE/DEF FREEZE IN THE TRACTOR TANK?

AdBlue/DEF begins freezing at 12° F (-11° C). If AdBlue/DEF freezes, the tractor will start and run normally, with no engine de-rating. The tractor AdBlue/DEF tank heater, which utilizes the engine cooling system, will quickly thaw the AdBlue/DEF tank. Even if AdBlue/DEF is frozen in the tank, the tractor will have full power while the AdBlue/DEF is thawed.

ADBLUE/DEF STORAGE AND HANDLING

AdBlue/DEF is a non-hazardous, non-toxic, non-polluting, non-flammable fluid. Storing and handling of AdBlue/DEF is simple and convenient, and your New Holland dealer has a variety of container and handling options for your farm operation.

AdBlue/DEF has about the same alkalinity (pH) as baking soda, so it is slightly corrosive. For that reason, it should be stored in approved containers such as plastic or stainless steel. Approved AdBlue/DEF handling equipment should be used.

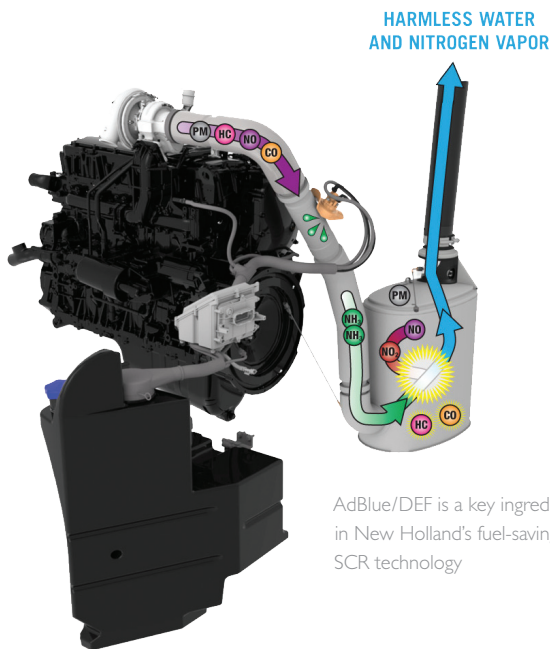
To maximize shelf life, ideal storage temperature for AdBlue/DEF is between 12° F (-11° C) and 86° F (30° C). However, AdBlue/DEF can be stored outside these temperatures as long as it's rotated on a seasonal basis. Freezing and thawing does not change the chemical properties.

HOW DO I KNOW IF MY TANK NEEDS FILLING?

On New Holland tractors, the A-post instrument cluster has a AdBlue/DEF level gauge, which shows the fluid level and indicates when it's time to refill. If the AdBlue/DEF tank fluid level becomes low, a series of warnings alerts the operator after AdBlue/DEF reaches less than 10% of capacity. If the AdBlue/DEF tank reaches less than 5%, the tractor engine power will de-rate, but power is still available to allow the operator to return to a convenient location to add AdBlue/DEF to the tank. Because New Holland tractors are designed so that the AdBlue/DEF tank needs filled every other diesel fuel fill, the AdBlue/DEF level can be easily managed by simply filling AdBlue/DEF during diesel fuel fills.



Filling the AdBlue/DEF tank is easy. The AdBlue/DEF tank in 2011 New Holland high-horsepower tractors is sized so that it needs refilling every other fuel fill.



AdBlue/DEF is a key ingredient in New Holland's fuel-saving SCR technology



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ADBLUE®/DEF DIESEL EXHAUST FLUID



YOUR KEY TO FUEL-SAVING
NEW HOLLAND SCR TECHNOLOGY



WHAT IS ADBLUE®/DEF?

ADBLUE/DEF DIESEL EXHAUST FLUID AND SELECTIVE CATALYTIC REDUCTION TECHNOLOGY

AdBlue/DEF is a nontoxic solution made up of purified water and pure automotive-grade urea. AdBlue/DEF is not a fuel, or fuel additive. In a Selective Catalytic Reduction system, AdBlue/DEF is injected into the tractor exhaust stream through a controlled 'dosing' module which varies the application rate. The AdBlue/DEF fluid vaporizes NOx emissions and converts them into harmless nitrogen gas and water vapor—natural components of the air we breathe.

By moving the emission solution downstream, New Holland is able to tune the engine for power and performance, saving an average of 10% operating cost primarily through enhanced fuel economy.



275 Gallon (1040L) Tote

ADBLUE/DEF PACKAGE SIZES

For your convenience, AdBlue/DEF Diesel Exhaust Fluid (DEF) is available in the following package sizes:

2.5 Gallon (9.5L) Container – Part Number R32551

55 Gallon (208L) Drum – Part Number R32552

275 Gallon (1040L) Tote – Part Number R32553

330 Gallon (1250L) Tote – Part Number R32554

The AdBlue/DEF available through your New Holland dealer is a stable and colorless solution. It meets ISO Standards for purity and composition and is an American Petroleum Institute (API) certified diesel exhaust fluid. These are the highest quality and safety standards in place to ensure optimum SCR system performance.

Your New Holland dealer also offers a complete line of AdBlue/DEF transfer pumps and meters, including on-farm bulk storage equipment options.



AdBlue/DEF Diesel Exhaust Fluid is a key ingredient of the Selective Catalytic Reduction (SCR) exhaust after-treatment process that allows New Holland to meet 2011 governmental emissions regulations—along with delivering outstanding fuel economy. The industry's leading engineers indicate AdBlue/DEF-enabled SCR represents the only practical way to meet final Tier 4 governmental regulations for off-road equipment by 2014, so between 2011 and 2014 most North American farms with modern high-horsepower equipment will begin using AdBlue/DEF.

For additional information on New Holland's leadership into clean energy, please visit www.thecleanenergyleader.com.

ADBLUE®/DEF FAQ

HOW MUCH ADBLUE/DEF WILL MY NEW HOLLAND TRACTOR USE?

The consumption rate of AdBlue/DEF will vary depending on engine load, but in typical agricultural applications it ranges between three to five percent of diesel fuel consumption. Depending on engine load and implement size, a high-horsepower FWA tractor consuming 10 gallons-per-hour and working 400 hours per year would typically utilize 100 to 200 gallons per year. In the new generation of New Holland tractors, it's estimated that for every gallon of AdBlue/DEF utilized, you save TWO gallons of diesel fuel – thanks to the enhanced fuel economy allowed by the AdBlue/DEF-enabled New Holland SCR technology.

WHERE IS THE ADBLUE/DEF STORED ON THE TRACTOR?

AdBlue/DEF is stored in a dedicated tank on the tractor next to the fuel tank. The AdBlue/DEF tank on a New Holland tractor has a capacity such that it needs to be filled every secondary fuel fill. AdBlue/DEF tanks range in size from 15 to 50 gallons depending on the tractor size and horsepower. The AdBlue/DEF tank fill opening is designed to accommodate only a AdBlue/DEF fill nozzle, which ensures that only AdBlue/DEF is pumped into the AdBlue/DEF tank. Standard diesel fuel nozzles do not fit into the AdBlue/DEF tank opening.

