

Demulsifier EB

Use In:

- Stored Diesel and Non-Ethanol Gasoline Fuels with Emulsified Water

Benefits

What benefits will users experience with Demulsifier EB?

1. Eliminate fuel-water emulsions in stored fuel, allowing for more complete removal of entrained water from fuel.

Questions For Customers

Questions and answers to questions to ask your customers and prospects to determine if they need to treat with Demulsifier EB.

Q. Have you had problems with emulsified fuel in your storage tanks?

- A demulsifier like Demulsifier EB is the only effective way to resolve this problem.

Questions From Customers

Answers to common questions customers may pose about Demulsifier EB and fuel stability.

Q. What does Demulsifier EB do?

A. Demulsifier EB is a specialty treatment for stored fuels that have problems with emulsified water (fuel-water emulsions). Such emulsions can be nearly impossible to resolve on their own. Demulsifier EB enables emulsified water to separate from and drop out of stored fuel so that it may be removed.

Q. How quickly will Demulsifier EB work?

A. How quickly Demulsifier EB will resolve emulsified fuel depends on several factors – the amount of fuel (and emulsion) in the storage tank and how well the demulsifier is mixed into the fuel (and put into contact with the emulsion). Depending on the size of the storage tank, it is reasonable to expect resolution of the emulsion between 3 hours and 24 hours. However, each tank is different, and followup sampling will show you if further action needs to be taken.

Q. How do you tell if Demulsifier EB has resolved an emulsion problem?

A. Determination of this would be from a combination of comparison before and after fuel samples (taken from the same location and height in the tank) and measurement of the height of the free water phase in the storage tank. Successful treatment should yield both a noticeable change in the fuel sample's appearance (bright and clear vs. hazy) and an increase in the height of the water phase.

Q. How should I add Demulsifier EB to my fuel?

A. Successful application of Demulsifier EB is especially dependent upon following application recommendations. See the guidelines listed below under Treatment Tips & Recommendations.

Q. Once fuel is successfully treated with Demulsifier EB, what should we do next?

A. Mechanically remove as much as the new water phase as possible before proceeding on to next steps.

Q. Can I use Demulsifier EB in ethanol gasoline? Can it repair phase-separated ethanol gasoline fuel?

A. Demulsifier EB is not effective in ethanol gasoline and will have no effect on phase-separated gasoline fuel. So it is not recommended for use in that application.

Treatment Tips & Recommendations

1. Successful treatment with Demulsifier EB relies upon getting the demulsifier in contact with the fuel water emulsion. Therefore, it is recommended to apply Demulsifier EB by addition to the tank, followed by a period of moderate fuel circulation to ensure proper mixing. The optimal circulation time run between 15-30 minutes for small tanks to 3-4 hours for large tanks.
2. Fuel circulation should be moderate so as to lessen the chance of re-emulsifying any water that has separated.
3. At the conclusion of fuel circulation, wait for a period of time to allow Demulsifier EB to work and the fuel-water emulsion to "break" and separate. This length of time is typically between 3 hours and 24 hours.

It is important to remember, resolving emulsified fuel is as much as "art" as it is a "science". It is important to pay attention to results (i.e. comparing before and after samples for visual clarity) and be prepared to adjust accordingly.

Treat Ratios: How much to use?

The ideal dosage depends upon the amount of emulsified water in the storage tank, which is something that cannot be known in most cases.

The typical treatment range is between 25 ppm (1:40,000) and 100 ppm (1:10,000) of Demulsifier EB. In most cases, it is recommended to start with 50 ppm of treatment (1 oz. per 150 gallons, or 1:20,000).