

ZX-RF-13

Diesel Stabilizer

General

Originally diesel fuels were produced from straight run components having good stability characteristics.

During the last few decades the need for increasing middle distillate supply has led to the increased use of unstable cracked components in diesel fuel. Cracked components are higher in olefin content and are more prone to oxidation by free radical reactions.

Diesel Stabilizer ZX-RF-13 has resulted in the introduction of oxidative stability specifications and the increased use of additive stabilisers to enable refineries to cost-effectively meet these specifications.

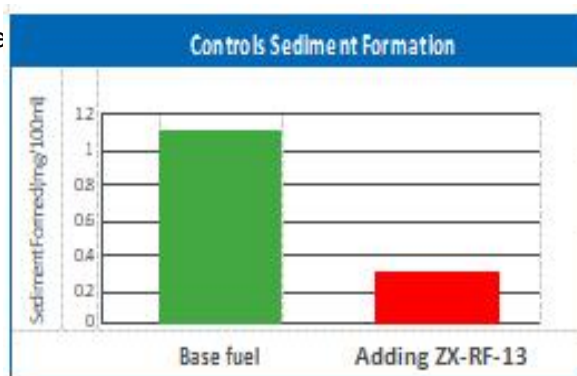
Diesel stabilizer ZX-RF-13 is a nitrogen-containing compound based on amines, mainly used to improve the oxidation stability of diesel. Its core functions include neutralizing the acidity of diesel, inhibiting oxidation reactions and reducing gum precipitation, thereby solving problems such as diesel discoloration and sediment. It is suitable for improving the quality of fuels such as catalytic cracking diesel.

Performance benefits

Diesel Stabilizer ZX-RF-13 is a powerful diesel fuel stabiliser developed to provide enhanced oxidative and thermal stability for both diesel fuels and heating oils. It can improve the storage and thermal stability of diesel fuels and heating oils leading to a reduction in sediment and gum formation.

Diesel Stabilizer ZX-RF-13 can allow refiners to cost-effectively meet specification requirements for fuel stability and has the additional benefits of:

- Stabilising the fuel to control sediment and gum
- Aiding colour stability
- Minimising fuel filter blocking
- Allowing refineries to maximise unstable blending streams into higher value finished products



Product properties

Appearance	Clear brown oily liquid
Density (15°C, g/ml)	0.94 - 0.97
Flash Point, °C(PMCC)	>= 62
Kinematic Viscosity (16°C, mm²/s)	31

Application

Using instruction

Can directly add Diesel Stabilizer ZX-RF-13 to the diesel oil and ensure it is evenly distributed. The power reconciliation effect is better for mass addition. Can use the metering pump to add Diesel Stabilizer ZX-RF-13 into the diesel distillation pipeline, or also into the heat exchanger, into the static mixer, to ensure the full mixture of the agent and diesel oil.

Dosage Rate

Treat-rates may vary depending on the base fuel and stability specification requirement, however Diesel Stabilizer ZX-RF-13 normally be used in the range of 50 - 200 ppmv. Please contact our sales representative for specific recommendations.

Diesel Stabilizer ZX-RF-13, through the combined action of antioxidants, dispersants and other additives, blocks the chain reaction of free radicals and delays the deterioration process of oil products. The recommended dosage is 500-2000ppm. It is usually directly injected into the pipeline through a metering pump at the distillation outlet of the oil refining unit (oil temperature 100-225°C) to achieve the best effect. Its high flash point and low viscosity characteristics make it easy to operate, and no alkali residue is produced after addition.

Packing

200L steel drum or package according customer's request

Storage

Diesel Stabilizer ZX-RF-13 should be stored in a cool and dry environment. Avoid the collision during the handling process.

It should be isolated from oxidants and acids. Its shelf life is 4 years if maintained out of contact with direct sunlight, rain and freezing. 1 year or less if exposed to direct sunlight, rain or freezing.

Safety and handling

Max handling temperature is 65 °C. Do not contact with water before use and minimize contact with air. During the operation, wear rubber gloves, goggles and mask, touch the skin immediately with a lot of water or 3% boric acid solution rinse, coated with zinc oxide ointment, serious cases sent to the hospital for treatment.