

ZX-P3-06

Diesel Paraffin Dispersant

General

The intended use of Diesel Paraffin Dispersant ZX-P3-06 is to improve the dispersion of solid wax crystals in diesel and lightly heated oils when stored below the turbidity point. This can be achieved by further reducing the size of the wax crystals and preventing the wax crystals from condensing. In dispersion tests, Diesel Paraffin Dispersant ZX-P3-06 improves diesel performance. Diesel Paraffin Dispersant ZX-P3-06 is designed for use in combination with middle distillate flow improvers. CFPP performance can often be achieved when combined with traditional cold flow improvers.

Composition

The modified mixture is mixed in the high boiling aromatic flux.

Product

Appearance	Brown to dark brown, clear to blur liquid
Density	Approx. 0.904 g/cm ³ at 20 °C (DIN 51757)
Viscosity	Approx. 64 mm ² /s at 20 °C (DIN 51562)
Pour Point	Approx. -6 °C (DIN ISO 3016)
Flash Point	Approx. 60 °C (DIN 53213)

Application

Solubility (at 30 °C)

Soluble in aromatic agents (e.g., xylene, naphtha). For kerosene, stability testing is recommended.

Storage

Diesel Paraffin Dispersant ZX-P3-06 is recommended to store at 40-50 °C. After long-term

storage at low temperatures, the product should be homogenized.

Dosage Rate

When combined with middle distillate flow improvers, effective dose rates are typically in the 150-500 ppm range. The required dose rate depends heavily on the characteristics of the intermediate distillate to be treated.

Field of application

Diesel Paraffin Dispersant ZX-P3-06 is designed for use in premium winter oils. Given its wide range of activity, it can be used in a wide range of oils, including middle distillates with a narrow boiling range characteristic of 70-100 °C (90-20) % -DT values and (FBP-90%) -DT of 17-25°C, as well as in a wider range of distillates. Where (90-20) % -DT values are 100-120 °C and FBP below 380 °C (ASTM D 86 distillation). wax dispersant additives ZX-P3-06 has excellent solubility, as evidenced by its neutral effect on room temperature filterability

Blending temperature

Due to its good solubility, Diesel Paraffin Dispersant ZX-P3-06 is added without dilution at diesel temperatures as low as 0 °C. At lower temperatures, it is recommended to dilute with naphtha (1:1 to 1:3 ratio). When the additive is injected, the middle fraction should be at least 10 °C above its cloud point.

Safety and handling

The product is intended for technical use only. Avoid physical contact. Please wear protective gloves and goggles. During transport in the tanker, the product is heated to temperatures of up to 60 °C (140 °F), which can cause burns if splashed on skin. If the material spills on the skin, it should be removed with soap and plenty of water. If it spills into your eyes, rinse it off with plenty of water.

Keep the container closed when not in use. Avoid contact with water. Stay away from sparks and open flames. Don't smoke. Empty containers may contain gases that, if mixed with air, can form explosive mixtures.

Packing

200L steel drum or 1000L IBC or per clients' request, Heated tanker/tank container.