

ZX-P2-03

Flow improver and pour point depressant for middle distillates

General

Flow improver and pour point depressant for middle distillates ZX-P2-03 contains highly efficient anticoagulant factors, which can effectively lower the freezing point of diesel and prevent it from solidifying at low temperatures. It can usually lower the freezing point of diesel by 10°C to 20°C. In extremely cold weather, Cold flow improver and pour point depressant for middle distillates CAN ensure DIESEL remains liquid, prevent clogging of key components such as pipes, filters and injectors, KEEP fuel system running smoothly. By refining the wax crystals, the pour point depressant can effectively prevent diesel from waxing at low temperatures and further improve the low-temperature fluidity of the oil product.

Flow improver and pour point depressant for middle distillates ZX-P2-03 is refined from highly efficient anticoagulant factors, co-solvents, etc. It can quickly mix with diesel, control the formation of paraffin crystals when cooled, significantly reduce the cold filter point and pour point of diesel, further improve the low-temperature fluidity of the oil, and effectively solve the problems caused by sudden temperature drops, cross-regional travel, and low-temperature driving

Composition

Dispersion of low molecular weight olefin in organic solvents

Product

Appearance	white-greyish to pale yellow, turbid liquid
Density at 20°C	ca. 918 kg/m ³
Viscosity at 50°C	ca. 55 m m ² /s
Pour point	27 °C
Flash point	≥ 57 °C
Solubility	Flow improver and pour point depressant for middle distillates ZX-P2-03 is soluble in aliphatic and aromatic solvents in all proportions, but

insoluble in water and not miscible with polar or organic liquids

The above listed data represent average values at the time of going to press of this technical information. They are intended as a guide to facilitate handling and cannot be regarded as specified data.. Specified product data are issued as a separate product specification.

Application

Performance and Application:

Flow improver and pour point depressant for middle distillates ZX-P2-03 considerably improves the flow properties of middle distillates. Flow improver and pour point depressant for middle distillates ZX-P2-03 acts as a crystallization modifier for higher n-paraffins. It prevents the formation of a coherent network for paraffin wax crystals with the result that the cold filter plugging point CFPP and the pour point PP of the middle distillates are considerably reduced.

Flow improver and pour point depressant for middle distillates ZX-P2-03 is added to the middle distillates at addition rates of 50 - 1000 ppm. The actual injection rate depends on the composition of the middle distillate and is characterized by the cloud point, the boiling range, the type and the amount of paraffins, and other parameters.

Flow improver and pour point depressant for middle distillates ZX-P2-03 is injected directly into the stream of a middle distillate either undiluted or in the form a stock solution. For the injection of the flow improver a temperature of 40 - 50 °C is most favorable.

A mixing section adequate length in the pipeline is required. Lines through which undiluted Flow improver and pour point depressant for middle distillates ZX-P2-03 is pumped should be heated to 30 - 50 °C and the temperature of the middle distillate to be doped should be about 30 - 50°C.

Suitable solvents for preparing Flow improver and pour point depressant for middle distillates ZX-P2-03 are middle distillates, kerosene and aromatic hydrocarbons.

Storage and handling

Flow improver and pour point depressant for middle distillates ZX-P2-03 can be stored at least for 1 year. The storage temperature should not exceed 40-50 °C . Short-term exposure to temperature up to 70°C will not affect the performance of the product. For the injection of the flow improver a temperature of 40-50°C is optimal.

Packaging

in bulk or in barrel, per clients' request

Safety

When using this product, the information and advice given in our safety data sheet should be observed. Due attention should also be given to the precautions necessary for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processes from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, not the solubility of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change with prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.