

ZX-XY-01

Diesel anti-abrasive

General

In recent years, environmental protection requires diesel oil quality to become more and more high, and the sulfur in diesel oil has been strictly controlled. With the promotion of low-sulfur diesel oil, the lubrication performance problem of diesel oil has become increasingly prominent. Non-hydrocarbon polycyclic aromatic hydrocarbons and polar compounds in diesel oil are the effective lubrication components in diesel oil. Clean diesel not only reduces sulfur, but also reduces the natural lubrication of diesel. The engine using low-sulfur diesel is prone to wear and damage, which shortens the life of the engine. The lubricating problem of diesel oil is gradually exposed.

ZX-XY-01 Diesel anti-wear produced by our company contains polar and non-polar base, it has good compatibility with diesel oil, polar group has affinity for metal surface, can adsorption on the metal surface, vertical and the surface, which can form a layer of dense molecular fence protection oil film, form a protective layer on the metal surface, prevent metal convex direct contact, effectively reduce mechanical wear and improve the lubricity of oil. ZX-XY-01 diesel anti-wear lubricant has almost no effect on diesel hexadecane value, oxidation stability and low temperature fluidity of diesel, and has no antagonistic effect with diesel stabilizer and diesel flow conditioner, which has good adaptability to different diesel oil and obvious anti-wear and lubrication effect.

Composition

long-chain unsaturated fatty acids and diols with fatty amine salts and solvents

Product

Appearance	Colorless or canary lucid liquid
Solubility	Soluble in liquid hydrocarbons,benzene, chloroform etc
Density(20°C), g·cm³	0.890~0.910
Acid value, mgKOH/g	≥193

Freezing point, °C	≤-5
Flash point, °C	≥150
Moisture, %	≤0.1

Application

Application

According to the characteristic of diesel oil and the lubrication effect to be achieved, the added amount is 50-400ppm.

The recommended dosage method is online dosage, added before diesel mixing. When used on site, the metering pump can be continuously added to the circulating oil circuit and mixed evenly.

In order to achieve a good blending effect, the diesel oil temperature should be kept above 10°C at the wax production temperature.

ZX-XY-01 Diesel anti-wear lubricant Advantages:

1. Reduce the wear of the diesel injection system and the frictional power consumption of the diesel engine pump, save power, increase output power, and save 5-10% of fuel
2. Significantly improve the lubrication performance of diesel, basically eliminate the starting wear of diesel engines, reduce operational wear by more than 80%, extend the service life of engines, prolong the major overhaul period of diesel engines, and save equipment maintenance and repair costs
3. ZX-XY-01 Diesel anti-wear lubricant has excellent acid neutralization capacity, which can effectively neutralize the acidic substances produced after the combustion of diesel fuel, thereby effectively preventing the occurrence of corrosion and wear, and protecting the fuel tank and pipelines from corrosion
4. ZX-XY-01 Diesel anti-wear lubricant has excellent antioxidant performance, effectively extending the service life of engine lubricating oil, reducing lubricating oil consumption and lowering the amount of lubricating oil replenishment by more than 30%)
5. Significantly reduce the emission of harmful substances such as sulfur dioxide (SO₂) in exhaust gas, protect the environment, and be non-toxic to the environment and human body
6. The unique cleaning function can effectively remove acidic sediment, gum, carbon deposits,

oil stains and other substances inside the engine without affecting the nozzle cleaning, ensuring a good operating environment for the engine

7. It has good adaptability to the anti-wear effect of different types of diesel

8. Diesel anti-wear agents have no antagonism or negative impact with other additives in diesel, including antioxidants, stabilizers, cetane number improvers, and pour point depressants.

Attention

Transportation should be light light unloading;

ZX-XY-01 Diesel anti-wear is strictly prohibited to contact with water during storage and use to avoid affecting the use effect;

Keep away from fire source and avoid sun expoure;

Stored it in a closed, dry and cool place.

Packaging

It is packed into iron bucket, tank truck, IBC tanks, or per clients requests'

Special note:

This information is prepared based on our existing technology and experience, the technical opinions provided are all in good faith, but they are not guaranteed to be used in the place. There are samples and formulas, and all data are for user reference only.