



Commercial Vehicle Viscous Vibration Damper High Performance Engine Accessories

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Sinotruk
- Certification: IATF 16949:2016
- Model Number: 082V02201-0178
- Minimum Order Quantity: 100 piece
- Packaging Details: Wooden box packaging
- Delivery Time: Spot goods
- Payment Terms: T/T
- Supply Ability: Annual production of 500000 pieces



Product Specification

- Compatibility: Fits Most Commercial Vehicle Models
- Material: Viscous Fluid
- Warranty: 1 Year
- Durability: Long-lasting
- Certifications: IATF 16949:2016
- Dimensions: 30cm X 30cm X 8cm
- Mounting Position: Engine/Transmission
- Operating Temperature: -40°C To 120°C
- Weight: 2.5 Kg
- Installation Method: Bolt-on
- Installation: Easy To Install
- Mounting Type: Bolt-On
- Size: Standard
- Type: Silicone Oil Shock Absorber
- Function: Vibration Dampening



Product Description

Introduction to silicone oil shock absorbers for commercial vehicles

In the field of commercial vehicles, driving comfort and driving stability have always been the focus of attention in vehicle design. With the advancement of technology, silicone oil shock absorbers, as an efficient damping technology, are widely used in commercial vehicles, greatly improving the riding experience and driving safety of vehicles.

1, Working principle of silicone oil shock absorbers

The working principle of silicone oil shock absorbers is based on fluid mechanics and damping effects. It is filled with specially designed silicone oil, which has excellent damping performance and can absorb and reduce the vibration generated by the vehicle during driving. When the vehicle encounters bumps or vibrations, the silicone oil in the silicone oil shock absorber will flow accordingly, and through the damping effect of the fluid, the vibration energy will be converted into heat energy, effectively reducing the transmission of vibration to the body and passengers.

2, The advantages of silicone oil shock absorbers

Efficient shock absorption: Silicone oil shock absorbers have excellent shock absorption effects, which can significantly reduce vibration during vehicle driving and improve ride comfort.

Strong stability: Silicone oil shock absorbers can maintain a stable damping effect, ensuring that the vehicle can maintain a smooth driving state in various road conditions.

High durability: Silicone oil shock absorbers are made of high-quality materials, which have good wear resistance and corrosion resistance, and can operate stably for a long time in harsh environments.

Safety improvement: Silicone oil shock absorbers can reduce the risk of vehicle loss of control caused by vibration and improve driving safety.

Strong adaptability: Silicone oil shock absorbers are suitable for various types of commercial vehicles, such as trucks, buses, etc., and have good versatility and adaptability.

3, The structural characteristics of silicone oil shock absorbers

Silicone oil shock absorbers typically include components such as shock absorber housing, silicone oil, damping valves, and seals. Among them, the shock absorber housing is made of high-strength materials, which have good compressive strength and durability; Silicone oil is the core component of shock absorbers, and its performance directly affects the damping effect; The damping valve is used to regulate the flow rate of silicone oil, thereby controlling the damping effect; The sealing element ensures that the silicone oil does not leak, ensuring the normal operation of the shock absorber.

4, Application prospects

With the continuous development of the commercial vehicle market and the increasing demand for vehicle performance from consumers, silicone oil shock absorbers, as an advanced damping technology, will have broader application prospects. In the future, with the continuous emergence of new materials, processes, and technologies, the performance of silicone oil shock absorbers will be further improved, injecting new impetus into the development of commercial vehicles. Meanwhile, with the increasing environmental requirements, silicone oil shock absorbers will also face higher environmental requirements, which will drive their development towards a more environmentally friendly and energy-saving direction.

In summary, silicone oil shock absorbers for commercial vehicles are playing an increasingly important role in the field of commercial vehicles due to their excellent shock absorption effect, stability, durability, and safety.



Dongfeng (Shiyan) Torsional Damper Company Limited



gjh.8266@163.com



dongfengtorsionaldamper.com

10th Floor, Building B, Donghe Center, Dongfeng 3rd Road, Wuhan Economic and Technological Development Zone, China