

## NISOTEC STAZOL 46



Slideway



Movement without pulsations



Excellent anti-wear characteristics



Excellent demulsibility



Mineral

**NISOTEC STAZOL 46** is a high-performance oil, specially designed for slideways, gear transmission and hydraulic drive of machine tools. It is formulated from high-quality mineral base oils and selected additives that provide excellent anti-wear properties, good adhesion to slideways and improved water separation properties, which help in working efficiency, prolonging the working life and improving the performance of machine tools. It has excellent properties against movement with pulsations, which provide high precision and enable smooth movement, even under conditions of high loads and low speeds, increasing the productivity and accuracy of machine tool work.

### Applications:



- Horizontal slideway of machine tools
- Hydraulic systems, sliding bearings, mechanical drives of machine tools and tools when supplied with oil from the same reservoir
- Lightly loaded industrial gears and bearings where medium anti-wear characteristics are required

Characteristics	Advantages
Excellent protection against sliding with pulsations	It helps eliminate the occurrence of pulsation to ensure constant machine productivity and machining accuracy
Excellent anti-wear characteristics	The proven formulation helps reduce wear and thus extending the life of tools and machines
Adhesion property	It adheres perfectly to the surface of the sliding tracks and maintains a stable oil film, thus reducing the wear of moving parts
Excellent thermal and oxidation stability	It provides excellent resistance to the formation of deposits and thus enables long-term use
The ability to extract water	Efficient separation of the present water allows good lubrication of all moving parts
Exceptional protection against rust and corrosion	Effectively protects against the appearance of rust and corrosion, which extends the working life of tools and machines

**Specification:**

- ISO 6743-4 (L-HG);
- ISO 6743-13 (L-GA/GB);
- ISO 11158 (L-HG);

**Typical characteristics**

Characteristics	Method	NISOTEC STAZOL 46
ISO grade		46
Kinematic viscosity at 40°C, mm <sup>2</sup> /s	ISO 3104	46
Viscosity Index	ISO 2909	100
Cu strip corrosion, 3h, 100°C	EN ISO 2160	1a
Pour Point, °C	ISO 3016	-21
Flash Point (COC), °C	EN ISO 2592	215
Density at 15°C, kg/m <sup>3</sup>	EN ISO 3675	876

**Health, Safety and Environment**

Information on the safe handling, storage and disposal of the product, as well as information on precautionary measures and potential hazards, effects on human health and the environment can be found in the Product Safety Data Sheet (SDS). Store the product in its original packaging protected from atmospheric influences. Shelf life 5 years from the date of manufacture.

**Available packaging**



10L



205L



1000L