

Product	Sinopec L-HG Slideway Hydraulic Oil
Summary	Product description Sinopec L-HG Slideway Hydraulic Oil is a range of products formulated from high-quality mineral oils and an advanced additive system to provide the special frictional properties required for the lubrication of machines with combined hydraulic and slideway systems. Available in ISO viscosity grades 32, 46, 68 and 100.

Applications

Sinopec L-HG Slideway Hydraulic Oil is suitable for use in:

- Machine tool slideways, tables and feed mechanisms.
- Machine tool hydraulic systems.
- Combined hydraulic and slideway systems that consist of low- to medium-pressure hydraulic systems and high-precision machine tool slideways.

Features and benefits

- Special frictional characteristics overcome the stick–slip problems and eliminate the ‘chatter’ that can occur with slow-moving slideways and tables, allowing more accurate positioning and improved finish of workpieces.
- Excellent antiwear performance protects slideways and hydraulic system components and extends their life.
- Good protection against rust and corrosion in the presence of water-based cutting fluids prolongs the service life of equipment.
- Good slideway adhesion provides resistance to fluid wash-off by metal-working fluids.
- Readily separates from water-based cutting fluids, to allow easy removal.
- Fully compatible with common seal materials found in hydraulic systems, to extend seal life and prevent fluid leakage.

Product Data Sheet

Typical data

Sinopec L-HG Slideway Hydraulic Oil				
ISO viscosity grade	32	46	68	100
Kinematic viscosity, ASTM D 445				
cSt @ 40°C	32.2	47.1	68.0	99.1
cSt @ 100°C	5.5	6.9	8.9	11.6
Viscosity index, ASTM D 2270	105	103	104	105
Rust prevention, ASTM D 665				
distilled water	pass	pass	pass	pass
Copper corrosion, 3 hours @ 100°C, ASTM D 130	1b	1b	1b	1b
FZG test (A/8.3/90), fail load stage, DIN 51345	12	12	12	12
Pour point, °C, ASTM D 97	-15	-14	-12	-12
Flash point (COC), °C, ASTM D 92	226	228	242	272

These data are given as an indication of typical values and not as exact specifications.

Industry and OEM specifications

Sinopec L-HG Slideway Hydraulic Oil meets the performance requirements of the following industry specifications:	
GB ¹	11118.1 (L-HG)
ISO	11158(L-HG)

¹ Note: 'GB' standards are the National Standards of the People's Republic of China.

Accuracy of information

Data provided in this PDS is typical and subject to change as a result of continuing product research and development. The information given was correct at the time of printing. The typical values given are subject to variations in the testing procedures and the manufacturing process may also result in slight variations. Sinopec guarantees that its lubricants meet any industry and OEM specifications referred to on this data sheet.

Sinopec cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on best practice is available from your local distributor.

Product and environmental safety

This product should not cause any health problems when used in the applications suggested and when the guidance provided in the Material Safety Data Sheet (MSDS) is followed. Please consult the MSDS for more detailed advice on handling; MSDSs are available from your local distributor. Do not use the product in applications other than those suggested.

As with all products, please take care to avoid environmental contamination when disposing of this product. Used oil should be sent for reclamation/recycling or, if not possible, must be disposed of according to relevant government/authority regulations.

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