

Product	Sinopec SHT-618 Synthetic High-Temp Chain Oil
Summary	Product description Sinopec SHT-618 Synthetic High-Temp Chain Oil is manufactured from ester oil with thermally stable oxidation inhibitors and special EP additives.

Applications

Sinopec SHT-618 is suitable for the lubrication of high-temp chains in:

- the textile machinery and the various drying room such as automobile paint spraying/baking room.
- High-temperature ovens for Steel, Plastic and Printing.

Features and benefits

- Outstanding anti-oxidation stability and very low evaporation losses at high temperature.
- Excellent anti-wear performance.
- Optimum solvability for pasty used oil residues at the lubrication point.

Product Data Sheet

Typical data

Items	SHT-618	Test Methods
Service temperature range	-20℃～250℃	/
Appearance	Yellow to Green, Transparent	Eye View
Kinetic Viscosity at 40℃, mm ² /s at 100℃, mm ² /s	~310 ~26	ASTM D445
Viscosity index(VI)	107	ASTM D2270
neutralization value, mgKOH/g	0.38	ASTM D664
Flash point, ℃	280	ASTM D92
Pour point, ℃	-30	ASTM D97
Evaporation loss (250℃, 1h) % (w)	2.0	SH/T 0059
Four-ball test: 150℃,1200rpm,400N,60min wear scar diameter, mm	0.48	ASTM D4172
SRV wear test: Temperature: 200℃ Time: 120min Load: 200N	Low friction coefficient Constant friction curve No friction peaks	ASTM D6425

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

Industry and OEM specifications

Sinopec SHT-618 Synthetic High-Temp Chain Oil meets the performance requirements of the following industry specifications:	
Sinopec	Q/SH PRD233-2023

Product Data Sheet

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.

The SINOPEC trademark is registered and protected in Australia.

Issued: Jan 2023

© Sinopec 2023

Sinopec SHT-618 Synthetic High-Temp Chain Oil