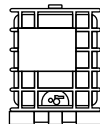


Product	Sinopec Worm Gear Oil
Summary	<p>Product description</p> <p>Sinopec Worm gear oil is blended with high quality mineral base oil with high viscosity index and high performance additives.</p> <p>It is suitable for lubrication of worm reduction transmission and gear transmission device. Classified into two types of L-CKE and L-CKE/P (extreme pressure type), the product comprises several grades such as 220, 320, 460 and 680 according to its kinematic viscosity at 40°C.</p>

Available sizes



DRUM – 200L



IBC – 1000L



Also
available
in bulk

Applications

Sinopec Worm Gear Oil is suitable for use in:

- Suitable for lubrication of closed worm gear transmission, e.g. gear driving machine of passenger and service lifts.
- L-CKE/P worm gear oil is especially suitable for copper-steel heavy duty worm gear reduction device with shock load.

Features and benefits

- Oil content additive formulation dedicated to worm gear transmission device, improving transmission efficiency.
- Good extreme pressure and anti-wear performance, reducing wear of worm wheel pairs
- Good oxidation stability, reducing damage to steel, copper and sealing material.
- Balanced additive formulation, having anti-rust and anti-corrosion performance for nonferrous metal.

Typical data

Sinopec Worm Gear Oil	L-CKE				L-CKE/P			
	220	320	460	680	220	320	460	680
ISO viscosity grade	220	320	460	680	220	320	460	680
Kinematic viscosity, ASTM D445								
cSt @ 40°C	227.8	319.0	457.0	665.4	226.4	318.8	439.7	685.7
cSt @ 100°C	19.8	24.12	30.97	43.13	19.50	25.2	32.72	43.86
Viscosity index, ASTM D 2270	99	96	98	108	99	102	108	107
Neutralisation number, mg KOH/g, ASTM D 664	0.14	0.18	0.18	0.23	0.38	0.22	0.24	0.30
Copper corrosion, 3 hours @ 100°C, ASTM D 130	1b	1b	1b	1b	1b	1b	1b	1b
Pour point, °C, ASTM D 97	-15	-15	-12	-12	-18	-18	-15	-15
Flash point (COC), °C, ASTM D 92	264	264	276	282	240	258	262	288
Density @ 20°C, kg/l, ASTM D 4052	0.889	0.892	0.895	0.897	0.889	0.894	0.896	0.898
Four ball EP, ASTM D 2783								
load wear index, N	-	-	-	-	522	529	552	588
Water separability, time to 40/37/3 @ 54°C, minutes, ASTM D 1401	17	20	20	25	20	20	20	25

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

Industry and OEM specifications

Sinopec Worm Gear Oil meets the performance requirements of the following industry specifications:	
ISO	6743-6 L-CKE, L-CKE/P

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.

Issued: March 2017

© Sinopec 2017

Sinopec Worm Gear Oil