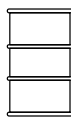


Product	Sinopec AE Hydraulic Oil HC
Summary	Product description Sinopec AE Hydraulic Oil HC is a line of premium quality antiwear fluids formulated with highly refined high-quality mineral oils and a multifunctional additive system. Available in four ISO viscosity grades: 32, 42, 68 and 100. This line of oils, with high viscosity indexes and low pour points, has been designed to meet the requirements of moderate- to high-pressure hydraulic systems operating outdoors, or in areas where there is a wide variation in the ambient temperature. Especially, the cleanliness is less than ISO 4406 18/16/13.

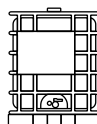
Available sizes



PAIL – 18L



DRUM – 200L



IBC – 1000L

Also
available
in bulk

Applications

Sinopec AE Hydraulic Oil HC is suitable for use in:

- Hydraulic applications in a wide variety of industrial, marine and mobile equipment.
- Vane and gear pumps operating under high loads, as recommended by pump manufacturers.
- Severe service hydraulic systems, employing axial and radial piston pumps, as recommended by pump manufacturers.

Features and benefits

- High-quality base oils combined with multifunctional additive technology provide outstanding antiwear properties, rust protection, low varnish and deposit formation, good demulsibility, good antifoam properties and fast air release properties, to protect and extend the life of hydraulic pumps and systems.
- Excellent oxidation stability, providing longer service life of oil.
- High level of cleanliness, preventing contamination from damaging system components
- Good hydrolytic stability and filterability, ensure optimum product life and performance, and prevent filter blocking.
- The wide selection of viscosity grades ensures that the optimum viscosity can be used for any hydraulic system operating temperature.
- Fully compatible with common seal materials usually found in hydraulic systems, to extend seal life and prevent fluid leakage.
- Better cleanliness.

Product Data Sheet

Typical data

Sinopec AE Hydraulic Oil HC				
ISO viscosity grade	32	46	68	100
Kinematic viscosity, ASTM D 445				
cSt @ 40°C	32.28	46.49	67.1	102.5
cSt @ 100°C	5.75	7.033	9.36	12.86
Viscosity index, ASTM D 2270	120	123	118	121
Air release at 50°C, mins, ASTM D 3427	3.1	2.6	8.8	–
Foaming characteristics, sequences 1, 2 and 3, ASTM D 892	0/0 10/0 0/0	10/0 10/0 10/0	10/0 20/0 10/0	0/0 0/0 0/0
Neutralisation number, mg KOH/g, ASTM D 974	0.69	0.72	0.71	0.72
FZG test (A/8.3/90), fail load stage, DIN 51345	12	>12	>12	>12
Rust prevention, ASTM D 665				
distilled water	pass	pass	pass	pass
synthetic sea water	pass	pass	pass	pass
Copper corrosion, 3 hours @ 100°C, ASTM D 130	1b	1b	1b	1b
Water separability, ASTM D 2711	10 (54°C)	10 (54°C)	15 (54°C)	20 (82°C)
Pour point, °C, ASTM D 97	-39	-39	-33	-27
Flash point (COC), °C, ASTM D 92	238	246	248	260
Cleanliness, ISO 4406	≤18/16/13	≤18/16/13	≤18/16/13	≤18/16/13

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

Industry and OEM specifications

Sinopec AE Hydraulic Oil HC L-HM meets the performance requirements of the following industry specifications:	
Sinopec	Q/SH 303 550-2013
DIN	51524 Pt 2
ISO	11158 (L-HM)

Sinopec AE Hydraulic Oil HC meets the performance requirements of the following OEM specifications:	
Cincinnati	P-68 (ISO 32), P-69 (ISO 68), P-70 (ISO 46)
Eaton Vickers	Eaton 03-401-2010 (E-FDGN-TB002-E) (ISO 32)

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.

Issued: March 2017

© Sinopec 2017

Sinopec AE Hydraulic Oil HC