

Product	SINOPEC AE Hydraulic Oil
Summary	<p>Product description</p> <p>SINOPEC AE Hydraulic Oil is a line of premium quality anti-wear lubricants formulated with highly refined mineral oils, combined with high-performance additive technology. This line of hydraulic oils, with high viscosity index and low pour point, has been designed to meet the requirements of moderate-to-high pressure hydraulic systems and that of major hydraulic pump manufacturers, and its applications include hydraulic systems used in industrial and marine applications as well as in mobile machinery.</p>

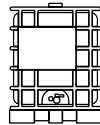
Available sizes



PAIL – 18L



DRUM – 200L



IBC – 1000L

Also
available in
bulk

Applications

SINOPEC AE Hydraulic Oil is suitable for use in:

- Hydraulic applications in a wide variety of industrial, marine and mobile equipment.
- Vane and gear pumps 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

- Premium hydraulic oil formulated with Group II base oils and high-performance additive technology, performance comprehensively surpasses that of ISO 11158 HM hydraulic oil.
- Excellent oxidation stability ensures longer oil service life.
- Good hydrolytic stability and filterability, ensure optimum product life and performance, and prevent filter blocking.
- Fully compatible with common seal materials usually found in hydraulic systems, to extend seal life and prevent fluid leakage.
- Superior and long-lasting anti-wear properties under high load operation, together with excellent low temperature performance, water separation, air release and anti-foam characteristics ensures robust protection and efficient operation of the hydraulic system.
- High cleanliness property (NAS 7 or better at the point of filling) minimizes the impact of solid contaminants on filter blocking, extends both filter and equipment service life.

Typical data

SINOPEC AE Hydraulic Oil				
Viscosity Grade	32	46	68	Test Method
Kinematic Viscosity				
cSt @ 40°C	33.41	46.72	70.07	ASTM D445
cSt @ 100°C	5.72	7.31	9.46	
Viscosity Index	112	118	113	ASTM D2270
Air Release Time @ 50°C, mins	3.1	4.5	8.0	ASTM D3427
Foaming (Tendency/Stability), mL/mL				
Seq.I	0/0	10/0	10/0	ASTM D892
Seq.II	10/0	10/0	10/0	
Seq.III	0/0	10/0	10/0	
Acid Number, mgKOH/g	0.61	0.67	0.64	ASTM D664
Anti-Rust, Procedure B	Rust-Free	Rust-Free	Rust-Free	ASTM D665
Copper Corrosion @ 100°C for 3hrs	1a	1a	1a	ASTM D130
Water Separability (40-37-3, 54°C), mins	7	13	9	ASTM D1401
Pour Point, °C	-39	-39	-36	ASTM D97
Flash Point (COC), °C	230	248	256	ASTM D92
FZG Test (A/8.3/90), Fail Load Stage	12	12	12	ASTM D5182

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

Industry and OEM specifications

SINOPEC AE Hydraulic Oil meets the performance requirements of the following industry specifications:	
ISO	11158 (L-HM)
DIN	51524 Part 2 (HLP)
GB	11118.1 (L-HM)
JCMAS	HK (VG 46)

SINOPEC AE Hydraulic Oil meets the performance requirements of the following OEM specifications:	
Danfoss Vickers (Previously Eaton)	brochure 03-401-2010 (VG 32, 46, 68)
Parker-denison	HF-0 (VG 32, 46, 68)
Bosch Rexroth	RDE 90235 (VG 32, 46, 68)
Cincinnati	P-68 (VG 32), P-69 (VG 68), P-70 (VG 46)

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 Safety Data Sheet (SDS) is followed. Please consult the SDS for more detailed advice on handling; SDSs 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.

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