

ArChine Hydratek NEH 46**Food Grade Synthetic Hydraulic Oil**

NSF Registration No. 152474 Place of Origin: Shanghai, China

GENERAL:

ArChine Hydratek NEH 46 is synthetic polyol ester (POE) hydraulic oil. This full-synthetic formulation has an ashless multifunctional oxidation and rust inhibiting additive package for hydraulic fluid according to:

ISO 6743/4 (HM, HV); ISO 11158 (HM, HV); DIN 51524, parts 1 - 3 (HL, HLP, HVLP); DIN ISO 15380 (HEES); U.S.Steel 127 and 136

ArChine Hydratek NEH 46 is readily biodegradable and is nontoxic to the environment. It is recommended for use in hydraulic equipment operating in food processing.

USDA/NSF has approved **ArChine Hydratek NEH 46** under their H-1 specification for incidental contact with food. The oil complies with FDA guidelines for food contact listed in CFR Title 21 Part 178, Section 178.3570.

FEATURES:

- Full-synthetic formulation
- Protect against rust and oxidation
- Readily biodegradable
- Reduced environmental impact
- Excellent wear protection for hydraulic pumps and motors
- Outstanding viscosity-temperature properties eliminate the need for seasonal changeover
- Resistant to sludge and varnish formation

Applications

- Systems employing multi-metal designs in pumps and other system components
- High pressure vane, piston and gear pumps

Distributor Wanted

Shanghai PingYiao Trading CO., Ltd.

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Address: A1207, Yin Hai Building, No.250, Caoxi Road, Xuhui District, Shanghai 200235 P.R.China

Telephone helpline: (86)15900706965

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- Systems where very high operating temperatures are typical
- In systems containing gears and bearings
- Systems requiring a high degree of load-carrying capability and anti-wear protection
- Resists fling-off and remains on the chain for maximum lubrication and protection
- Farm implements
- Forestry and logging equipment
- Ski lifts

TYPICAL PROPERTIES*:

ISO Grade	46
Appearance	Light yellow transparent liquid
Density@ 20°C, g/cm ³	0.957
Viscosity @ 40°C, mm ² /s	45.9
Viscosity @ 100°C, mm ² /s	8.09
Viscosity Index	150
Pour Point, °C	-39
Flash Point, °C (open cup)	270
Fire Point, °C	294
Foaming 24°C, 93.5°C, after 24°C	15/0 10/0 15/0
Copper corrosion, 100°C/3hr, grade	1

*Typical data shall not be used as product specifications.

Applications for ArChine lubricants

EQUIPMENT APPLICATION		ArChine Food Grade Lubricants								
		32	46	68	100	150	220	320	460	680
Compressors	Axial	✓	✓	✓						
	Radial	✓	✓	✓						
	Reciprocating Diaphragm					✓	✓	✓	✓	✓
	Reciprocating	✓	✓	✓						

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ARCHINE

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	(Piston)									
	Rotating	✓	✓	✓	✓	✓				
	Screw		✓	✓	✓	✓	✓			
	Scroll	✓	✓	✓						
Drivers	Chain Drives	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Electric Motors	✓	✓	✓						
	Slides	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Sliders	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Bearings	✓	✓	✓	✓	✓	✓	✓	✓	✓
Gears	Gears of All Types	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Worm Gears	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hydraulics	Vane Pumps	✓	✓	✓	✓					
	Piston Pumps	✓	✓	✓	✓					
	Gear Pumps	✓	✓	✓	✓					
	Screw Pumps	✓	✓	✓	✓					
	Hydraulic-Driven Turbine	✓	✓	✓	✓					
	Hydrostatic Drives	✓	✓	✓	✓					
Vacuum pumps	Piston				✓	✓				
	Rotary Vane			✓	✓					
	Trochoidal				✓	✓				
	Rotary Piston			✓	✓					
	Roots	✓	✓							
Others	Calenders	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Conveyors	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Grinders	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Reducers			✓	✓	✓	✓	✓	✓	

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