

## **ArChine Hydrotek PAG 32 AW Water-Free Anti-wear Hydraulic Fluid**

### **Product Description**

**ArChine Hydrotek PAG 32 AW** Hydraulic Fluid is high performance hydraulic fluids designed for demanding industrial applications requiring environmental sensitivity, water solubility, fire resistance, and excellent anti-wear properties over wide temperature ranges. These polyalkylene glycol (PAG) based fluids, which are available in three viscosity grades, are anhydrous (water-free) and are rated as antiwear.

**ArChine Hydrotek PAG 32 AW** Hydraulic Fluid does not break down to form sludge, and it does not hydrolyze in the presence of water. Furthermore, because of their high viscosity indices and excellent low temperature characteristics, one ArChine Hydrotek PAG 32/46/68AW viscosity grade fluid may replace two or three viscosity grade mineral oils. These hydraulic fluids are ideal for use in applications such as dockside/marine, forestry, amusement, and industrial operations.

### **Features and Benefits**

**Excellent Anti-Wear Performance** – ArChine Hydrotek PAG 32 AW Hydraulic Fluid has demonstrated exceptional load-carrying capabilities and is specially formulated (with no zinc or other metal additives) to provide effective corrosion protection and anti-wear performance in hydraulic systems. It is rated as anti-wear (AW) fluid. All of which means the potential for greater operating reliability, less downtime, and lower maintenance costs.

**Clean, Long Lasting Operation** – When proper fluid and equipment maintenance procedures are followed, ArChine Hydrotek PAG 32 AW Hydraulic Fluid does not form sludge or varnish. They offer a longer service life with better operating reliability, lower maintenance costs, and reduced overall downtime. Because ArChine Hydrotek PAG 32 AW is water-soluble, shop and equipment cleanup is easier than the cleanup of conventional oil fluids.

### **Distributor Wanted**

Shanghai PingYiao Trading CO., Ltd.

Tel: 86-21-64705533

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

Telephone helpline: (86)15900706965

Fax: 86-21-64705533-209

Website: [www.pingyiao.com](http://www.pingyiao.com)

E-mail: [info@pingyiao.com](mailto:info@pingyiao.com)

# ARCHINE

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**Fire Resistance** – High flash and fire points provide safety in applications calling for fire resistant fluids, thus providing operating confidence and potentially reduced insurance costs.

**All Season Performance** – ArChine Hydrotek PAG 32 AW Hydraulic Fluid have high viscosity indices and low pour points, allowing year round usage and eliminating seasonal changeovers. One ArChine Hydrotek PAG 32/46/68 AW can replace two or three viscosity grade oils, thereby reducing seasonal fluid purchase and disposal costs, lowering maintenance costs, and requiring less downtime.

**Biodegradability** –ArChine Hydrotek PAG 32 AW Hydraulic Fluids are biodegradable.

**Aquatic Toxicity** –ArChine Hydrotek PAG 32 AW Hydraulic Fluid is “Practically Non-Toxic” to fish and other aquatic wildlife.

**High Waste Treatability** –ArChine Hydrotek PAG 32 AW Hydraulic Fluid is highly waste-treatable. In tests simulating the discharge of industrial waste streams to unacclimated municipal treatment plants, ArChine Hydrotek PAG 32 AW Hydraulic Fluid demonstrated no adverse impact on either the proper functioning or performance of the waste treatment systems, even at high discharge levels.

## Typical Properties

	ArChine Hydrotek PAG 32 AW	ArChine Hydrotek PAG 46 AW	ArChine Hydrotek PAG 68 AW
Four Ball Anti-Wear 40 kg, 1200 rpm, 1 hr @ 75°, (mm wear scar)	0.79	0.81	0.81
Weld Load, kg	160	160	160
<b>Viscosity Properties</b>			
Viscosity @40°C (cSt)	37.3	47.0	68.4
Viscosity@100°C (cSt)	8.0	9.8	13.7
Viscosity Index	194	200	209
Flash-Cleveland Clevel and Open Cup, °C	284	300	306
Flash-Pensky Martens	>191	None	None

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Closed Cup, °C			
Fire Point, °C	304	316	322
Specific Gravity @ 20°C	1.028	1.031	1.037
Vapor Pressure (mm Hg)	<0.01	<0.01	<0.01
Specific Heat (Cal/g/°C)	0.476	0.481	0.478
Corrosion Protection	Pass	Pass	Pass

\*Typical data shall not be used as product specifications.

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