

ArChine Hydratek FPH 100**Food Grade Synthetic PAO Hydraulic Oil****GENERAL:**

ArChine Hydratek FPH 100 is specially formulated to provide superior lubrication in food plant machinery. The polyalphaolefin (PAO) synthetic hydrocarbon oil provides outstanding anti-wear protection, which is compounded to prevent rusting in the presence of moisture, non-foaming and has characteristic of rapid water separation. An effective antioxidant offers long service life and reduces the possibility of sludge and varnish formation.

ArChine Hydratek FPH 100 can be used in where hydraulic fluids and other mild lubricants are called for in equipment associated with food processing. USDA/NSF has approved **ArChine Hydratek FPH 100** 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:

- Good lubrication at high and low temperatures
- Compatibility with mineral oils and equipment designed for use with mineral oils
- Excellent antiwear and extreme pressure properties
- Superior Oxidation Resistance
- Non-Foaming
- Very Good Multi-metal Compatibility
- Meets a Wide Range of Equipment Requirements
- Controlled Demulsibility

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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- Systems where very high operating temperatures are typical
- Where small amounts of water are unavoidable
- In systems containing gears and bearings
- Systems requiring a high degree of load-carrying capability and anti-wear protection
- Applications where thin oil-film corrosion protection is an asset such as in systems containing moisture
- Resists fling-off and remains on the chain for maximum lubrication and protection

ArChine Hydratek FPH 100 meets the flowing standards:

ISO 11158 (HV); DIN 51524, p.1, p.2 and p.3 (HL, HLP, HVLP); US Steel 127 and 136; ISO 12925 (CKB, CKC); DIN 51517, p.1, and p.2 (C, CL); AGMA 9005-E02 (RO, EP); David Brown S1.53.106

TYPICAL PROPERTIES*:

| ISO Grade | 100 |
|-------------------------------------|---------------------------------|
| Apperance | Light yellow transparent liquid |
| Density@20°C, g/cm ³ | 0.845 |
| Viscosity@40°C, mm ² /s | 97.0 |
| Viscosity@100°C, mm ² /s | 13.31 |
| Viscosity Index | 136 |
| Flash Point (open cup, °C) | 254 |
| Fire Point, °C | 278 |
| Pour Point, °C | -45 |
| Foaming 24°C , | 10/0 |
| 93.5°C , | 10/0 |
| after 24°C | 10/0 |
| Copper corrosion, 100°C/3hr, grade | 1 |

*Typical data shall not be used as product specifications.

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