

Schaft-TEC Pneumatic Oil

Product Description

Schaft-TEC Pneumatic Oil is a high-performance lubricant designed for pneumatic rock drills, jackhammers, tampers, riveting hammers, and other compressed air-operated equipment. Formulated with high-quality base stocks and advanced additives, it provides superior wear protection, corrosion resistance, and optimal lubrication in both wet and dry conditions. It prevents sludge formation, ensuring smooth operation and extending equipment life.

Application

- Rock drills and jackhammers used in mining, construction, and quarry operations.
- Pneumatic percussion tools, including tampers, riveting hammers, and chipping hammers.
- Centralized lubricators of large pneumatic drill rigs.
- Air-operated tools exposed to wet or dry conditions.

Approvals & Specifications

- DIN 51519
- DIN ISO 3448

Typical Properties by Viscosity Grade

Property	ISO 32	ISO 46	ISO 100	ISO 150	ISO 220	ISO 320
Density @ 15°C (kg/L)	0.88	0.883	0.899	0.893	0.898	0.902
Kinematic Viscosity @ 40°C (mm ² /s)	32	46	100	150	220	320
Kinematic Viscosity @ 100°C (mm ² /s)	5.5	7.3	11.5	15.2	19.7	26.3
Viscosity Index	108	105	100	104	100	96
Flash Point (°C, ASTM D92)	170	188	220	220	220	232
Pour Point (°C, ASTM D97)	-51	-30	-27	-24	-24	-18
Copper Corrosion (3h @ 100°C, ASTM D130)	1B	1B	1B	1B	1B	1B
Evaporation Loss (Noack, %)	-	-	10	-	-	-

Product Features & Benefits

- **Exceptional Wear Protection** : Reduces tool degradation under extreme conditions.
- **Corrosion & Rust Resistance** : Protects metal surfaces even in wet environments.
- **Wide Temperature Stability** : Performs effectively at both high and low temperatures.
- **Excellent Emulsification Properties** : Prevents water wash-off, ensuring continuous lubrication.
- **Low Fog Formation** : Minimizes oil fog in exhaust air, reducing environmental impact.
- **Optimized Adhesion** : Ensures lasting lubricant film under all conditions.

Health, Safety, and Environment

For safe handling, refer to the Material Safety Data Sheet (MSDS). Avoid prolonged skin contact and dispose of used oil responsibly.

Storage & Handling

- Store in a cool, dry place away from direct sunlight.
- Ensure the container is tightly sealed when not in use.
- Follow manufacturer guidelines for filling pneumatic equipment.

