



AK AQUAFIN HDX SERIES

GRADES: 702 & 802

DESCRIPTION:

AUTOKING AQUAFIN HDXSERIES is High Performance synthetic ester based neat cutting oils. They are chlorine-free, non-staining and non-corrosive. These oils can work under high Temperature and Precision Working of Heavy Metals.

AUTOKING AQUAFIN HDX SERIES Cutting fluid produced with a modern technology are able to increase the life of tools and to reduce the production cost and recommended for flooded applications and for minimal quantity lubrication. The modern cutting oil of AK AQUAFIN HDX SERIES are "ester oil based", therefore are more biodegradable than mineral oil.

APPLICATION:

- AK AQUAFIN 702 particularly suited for Heavy duty deep hole drilling and similar high-speed operations. Also used for high-speed, light feed machining of screw stock steels and as a lubricant for high-speed spindles. Applicable Operations like milling, turning, reaming, threading, hobbing, shaving, shaping, sawing and punching.
- AK AQUAFIN 802 is High performance grinding oil, used for flute grinding on high-speed steel as well on applications with ceramic-, diamond- or boron nitride grinding wheels. Also be used for grinding of spiral toothed bevel gears and flat or cylindrical grinding processes on the complete range of steels and non-ferrous metals.

PERFORMANCE LEVEL:

- IS 3065-1985 (RA 2002)
- Proprietary grade.

FEATURES

- Excellent Machine Compatibility.
- Outstanding Cutting-edge Performance.
- Very High Flash Point.
- Effective anti-mist characteristics.
- Excellent Human Compatibility.
- Excellent Lubricity.

BENEFITS:

- Highly effective machining performance.
- Good lubricity and anti-wear performance for long tool life.
- Boron, formaldehyde, chlorine and phenol-free. Excellent ultra-long sump-life.
- Excellent corrosion protection for ferrous and aluminum alloys. Protects both parts and machinery.
- Cleaner and safer working environment.

STERLITE LUBRICANTS PVT. LTD.
Corporate Headquarters
65-Second Floor, 4D SQUARE,
Visat-Gandhinagar Highway,
Motera, Ahmedabad 380005
079-66172662 | www.sterlitolubricants.com
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TYPICAL PROPERTIES:

CHARACTERISTICS	AQUAFIN HDX 702	AQUAFIN HDX 802
APPEARANCE	BRIGHT YELLOW	YELLOW
DENSITY @15°C	0.85-0.86	0.90-0.91
KINEMATIC VISCOSITY 40°C, CST	18-20	34-36
ESTER CONTENT	>92%	>92%
ZINC CONTENT	0%	0%
SULPHUR CONTENT	0%	0%
CHORINE CONTENT	0%	0%
FLASH POINT °C, MIN.	245	325
COPPER STRIP CORROSION	1A	1A

HEALTHY & SAFETY ENVIRONMENT:- Auto king oil are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standard of industrial and personal hygiene are maintained. For more details contact STERLITE INDIA REPRESENTATIVE

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