



AK AQUAFIN CL SERIES

GRADES: 102, 202 & 302

DESCRIPTION:

AUTOKING AQUAFIN CL SERIES are neat cutting oils contain active and non active sulphur, fatty oil and chlorinated additives to give better surface finish and longer life of cutting tools over a wide range of operating temperature by providing an excellent lubricating film which resists cutting stresses.

AUTOKING AQUAFIN CL SERIES are specially developed for heavy duty applications like gear hobbing, thread cutting etc. The oil is also suitable for all machining operations on high tensile steels and for less severe operations on stainless and shear resistant alloys.

AUTOKING AQUAFIN CL SERIES are Suitable for Machining operation on Mild Steel, Carbon Steels, and Nickel Steel, Manganese Steel. It use may extend to copper, Aluminum and their Alloys.

APPLICATION

- AK AQUAFIN CL 102 is Recommended for the Deep drilling, severe machining operation of gear cutting, broaching and threading of alloys and stainless steels, where low viscosity oil is required.
- AK AQUAFIN CL 202 is formulated with Selective additives that react chemically at elevated temperatures to form nascent metallic chloride film of molecular thickness. This feature is important in the specialized broaching operations.
- AK AQUAFIN CL 302 widely recommended for multi-purpose machinery operation of ferrous and non-ferrous metals including different gridding and milling operations.

PERFORMANCE LEVEL:

- IS: 3065-1985, Type 1 Grade II
(Re affirmed-2002).
- Proprietary grade.

FEATURES

- Long tool life.
- Excellent heat removal properties.
- Improved quality of finished materials.
- Superior wet ability.
- Excellent Lubricity.
- Greater Penetration.

BENEFITS:

- Highly effective machining performance.
- Improved surface finish and increased cutting speeds leads to improvement of process.
- Effective anti-mist characteristics.
- Extreme pressure (EP) lubricity properties.
- Multi-metal machining with superior additive technology provides product consolidation.
- Excellent Cooling and chip Flushing ability



TYPICAL PROPERTIES:

CHARACTERISTICS	AQUAFIN CL 102	AQUAFIN CL 202	AQUAFIN CL 302
APPEARANCE	PALE YELLOW	PALE YELLOW	PALE YELLOW
DENSITY @15°C	0.86 - 0.87	0.88 - 0.89	0.90 - 0.91
KINEMATIC VISCOSITY @40°C, CST	18 - 20	32 - 35	43 - 45
FLASH POINT°C, MIN.	160	180	180
COPPER STRIP CORROSION	1B	1B	1B
WELD LOAD CARRYING	300	650	800

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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