

## AK AQUAFIN SERIES

GRADES: 12, 22 & 32

### DESCRIPTION:

AUTOKING AQUAFIN SERIES Formulated with specially selected Refined mineral oils and contains polar, mild and active EP type of additives. These additives effectively take care of varying stresses at the cutting edge. At highly stressed friction points where high local temperatures are obtained, thermal decomposition of these additives occur.

AUTOKING AQUAFIN SERIES are incorporation of non-active sulphur prevents staining/corrosions of cuprous metals but at the same time, releases sulphur at higher temperatures to function as an effective anti-chip weld agent. These oils are useful on older machines where cross contamination with hydraulic/lubricating oils is likely.

### APPLICATION:

- AK AQUAFIN 12 recommended for deep hole boring, deep hole drilling, including gun drilling and trepanning operations.
- AK AQUAFIN 22 is suitable for applications include repetition machining on small capacity automatics, especially those of the sliding head type and light duty cutting of brass, free machining bronzes and mild steel.
- AK AQUAFIN 32 is more suitable for a wider range of general purpose machining on both ferrous and non-ferrous metals at medium duty operations.

### PERFORMANCE LEVEL:

- IS: 3065:1985 (Reaffirmed 2002)

### PERFORMANCE

- Long tool life.
- Outstanding Cutting-edge performance.
- Improved quality of finished materials.
- Reduced cross-contamination problems.

### BENEFITS:

- Highly effective machining performance.
- Reduces risk of atmospheric contamination, being non-fuming.
- Effective anti-mist characteristics.
- Non-corrosive / non-staining.
- Multi-service characteristics.
- Cleaner and safer working environment.

## TYPICAL PROPERTIES:

CHARACTERISTICS	AQUAFIN 12	AQUAFIN 22	AQUAFIN 32
APPEARANCES	BRIGHT AMBER	BRIGHT AMBER	BRIGHT AMBER
DENSITY @15°C CST	0.86 – 0.87	0.88 – 0.89	0.90 – 0.91
KINEMATIC VISCOSITY @40°C, CST	10 – 12	18 – 20	32 – 34
FLASH POINT °C, MIN.	180	180	200
COPPER STRIP CORROSION	1C	1C	1C
REFRACTIVE SULPHUR, %	0.5	0.5	0.5

**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 REPRESENTATIVES.

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