



AGIP AQUAMET 85

AGIP AQUAMET 85 is a semi-synthetic emulsifiable cutting fluid with excellent technological characteristics. Top-level performance in medium – hard applications in working stations and in centralised plants and systems.

CHARACTERISTICS (TYPICAL VALUES)

AQUAMET 85

PRODUCT		EMULSION	
Appearance	Liquid	Appearance	Transparent
Colour	Light brown	pH at 3% in demineralised water	9.4
Density at 20°C	1.0 g/cm ³	Corrosion test at 2% IP 125	Pass
Nitrites, Phosphorus, Phenols, secondary and aromatic Ammines, Chlorine	Not present	Refractometer factor	1.9

PROPERTIES AND PERFORMANCES

- Transparent emulsion.
- Free of triazinic biocides, secondary ammines and chlorine.
- Good surface finishing.
- High resistance to microbial pollution.
- Especially well suited to ferrous materials and cast iron
- Suitable for water of medium hardness (optimal range from 15° to 40° F).

APPLICATIONS

AGIP AQUAMET 85 is recommended for operations such as grinding, turning, milling, boring and drilling of all ferrous materials and could be extended to aluminium and its alloys.

Very good for the formation of pipes.

Here below are reported the suggested concentrations; adjustment can be necessary on the base of the working conditions..



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MACHINING	MATERIAL PROCESSED		
	Cast iron – Steel	Stainless Steel	Aluminium and alloys*
Turning, milling	4 %	6%	6%
Medium-severe operations: boring, drilling	6 %	8 %	8 %
Grinding	3 %	4 %	

. In the case of aluminium and its alloys, always perform the stain test before processing*

NOTE

To obtain the best possible results, follow the procedures indicated below:

- before preparing the emulsion, clean and sterilise the tank and the circuits with suitable detergents and bactericides;
- prepare the emulsion using a blender, if possible;
- in the case of manual mixing, it is always best to add the concentrate to water, in order to avoid problems of emulsion instability;
- to prevent deterioration of the product due to sudden changes in temperature or as a result of outdoor display of the containers, it is best to store the product in closed settings, at temperatures between +5° and +30°C.

Detailed information shall be supplied by the Technical Assistance Service.