PRODUCT DATA SHEET

AGIP AQUAMET IFU 85

AGIP AQUAMET IFU 85 is a high performance environmental friendly, long life semi-synthetic versatile metalworking oil. It is manufactured from specially selected base stocks and additive packs containing an emulsifier which offers a very stable emulsion even in hard water. For effective metal protection and system maintenance it contains selected corrosion inhibitors and biocides to provide a long emulsion life. AGIP AQUAMET IFU 85 is a semi synthetic EP fluid for cutting and grinding operations

CHARACTERISTICS (TYPICAL FIGURES)

AQUAMET IFU 85

Appearance		Dark Brown Clear
Viscosity at 40°C	mm^2/s	80
Flash Point, min	°C	150
PH (5% Emulsion in Demin Water)	-	9.0
Specific Gravity at 29.5°C	gms/cc	0.890

PROPERTIES AND PERFORMANCE

- Low foaming property
- Excellent corrosion protection
- Used for ferrous and non-ferrous metals (including aluminum)
- Good hard water stability up to 400 ppm of $CaCO_3$
- High degree of lubricity with exceptional wetting and cooling properties
- Free from chlorine, nitrites, phenols, active sulfur or di-ethanolamine
- Effective in controlling microbial growth thus extending fluid life

APPLICATIONS

It is recommended for machining and grinding of ferrous and non-ferrous alloys. It provides excellent corrosion protection and has a high degree of lubricity with exceptional wetting and cooling properties. Emulsions prepared with AGIP AQUAMET IFU 85 offer exceptional spontaneity (ease of emulsion) and a low foam tendency.
Long fluid life can be achieved with AGIP AQUAMET IFU 85 based emulsion at the recommended treat rates and with a proper coolant maintenance program..

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RECOMMENDED DILUTION

AGIP AQUAMET IFU 85 is to be mixed with water for use. Always add concentrate to water. Add no other materials to the concentrate or mix unless approved by AGIP management. Always clean sump thoroughly before fresh charge.

- Grinding : 5% - 10% (1:20 to 1:10)
- General Machining: 5% - 10% (1:20 to 1:10)

N.B:
To prevent deterioration of the product due to big temperature changes which may occur if the containers are left out-of-doors, recommended that it be stored in closed premises.