

TECHNICAL DATA SHEET

CUT-MAX® 906-10

GEAR GRINDING AND MACHINING OIL

CUT-MAX® 906-10 is based on Syn2Oil base oil technology with extremely low aromatic content. This base oil provides outstanding values regarding flashpoint, air release, foam behaviour, odour and colour. A combination of polar, extreme pressure and anti-wear additives provide the oil with high load carrying properties. The oil provides good surface finish of the machined work pieces.

CUT-MAX® 906-10 is free from Chlorine, active Sulphur and heavy metals (Zinc).

Product approved by OEM Kapp

Applications

CUT-MAX® 906-10 is used for grinding steel with cBN or ceramic grinding wheels at high cutting speeds. Main application in gearbox manufacturing, where in addition to the high grinding performance, the EP package is designed for high speed hobbing.

CUT-MAX® 906-10 has a copper corrosion of 1b (ASTM D 130), which allows use as hydrostatic oil too.

Recommendation For Use

Is used neat as supplied. Sump temperatures above 50°C should be avoided.

Benefits

- Reduced cost : less product consumption due to reduced evaporation
- Reduced cost : higher production rates due to strong lubricity
- Reduced cost : clean workshop environment due to less oil mist and evaporation
- Satisfied staff : good EHS profile, free from Chlorine and other suspect substances.

Health, Safety And Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Typical Physical Properties

PROPERTY	TYPICAL VALUE	UNIT
Colour	yellow	
Specific Gravity @20°C	0.82	[kg/L] ASTM D4052
Kinematic Viscosity @40°C	10	[mm²/s] ASTM D7042
Flash Point COC	180	[°C] ASTM D92
Pour Point	-36	[°C] ASTM D97
Copper Corrosion	1b	ASTM D130

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