

Product Description

Anglomoil Grindol 12 is a low misting, neat cutting oil made from the latest high performance chemistry and high viscosity index unconventional base oils (UCBO). It is chlorine, sulphur and metals free. It is formulated for heavy duty, multi purpose grinding operation and is also suitable for use on copper alloys (yellow metal).

Product Features & Benefits

Anglomoil Grindol 12 is :

- A heavy duty, high performance grinding fluid
- Based on high viscosity index UCBO base oils
- Chlorine free
- Sulphur free
- Metals free
- Low odor, light colour and low misting providing a better operator working environment
- High oxidative stability providing increased product lifetime.
- Exceptional low temperature performance
- Low viscosity and excellent wetting characteristics to reduce drag out resulting in lower product usage
- Highly recommended for the following applications where excellent surface finish is a requirement
 - Gears
 - Bearings
 - Axles
- Formulated for grinding operations with yellow metals (alloys containing copper).
- Especially selected lubricity additive for machining of ductile materials
- Transparent and light coloured

Process:

Surface grinding is the most common of the grinding operations. It is used to produce a smooth finish on flat surfaces. It is a finishing process in which a spinning wheel covered in rough particles cuts chips of metallic or non metallic substance from a workpiece, making a face of it flat or smooth.

Types of surface grinders

Horizontal-spindle (peripheral) surface grinders The periphery (flat edge) of the wheel is in contact with the workpiece, producing the flat surface. Peripheral grinding is used in high-precision work on simple flat surfaces; tapers or angled surfaces; slots; flat surfaces next to shoulders; recessed surfaces; and profiles.

Vertical-spindle (wheel-face) grinders The face of a wheel (cup, cylinder, disc, or segmental wheel) is used on the flat surface. Wheel-face grinding is often used for fast material removal, but some machines can accomplish high-precision work. The workpiece is held on a reciprocating table, which can be varied according to the task, or a rotary-table machine, with continuous or indexed rotation. Indexing allows loading or unloading one station while grinding operations are being performed on another.

Disc grinders and double-disc grinders Disc grinding is similar to surface grinding, but with a larger contact area between disc and workpiece. Disc grinders are available in both vertical and horizontal spindle types. Double disc grinders work both sides of a workpiece simultaneously. Disc grinders are capable of achieving especially fine tolerances.

Typical Characteristics:

Viscosity @ 40°C cSt.	13.2	Viscosity Index	170
Viscosity @100°C cSt.	3.6	SG @20°C	0.8552

Anglomoil Superior Lubricants

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