

Bor Oil N15

Bor Oil N15 is obtained by blending mineral-naphthenic oils with superior properties and special additives. It is a multi-purpose oil-based metal working fluid (cutting-grinding) mixed with water in the processing of various metals.

Usage

Aluminum and copper alloys , soft light and heavy metals such as steel and cast iron machining operations (machining), as the lubricant and coolant warm retreat of aluminum rod is very convenient.

Usage Instruction:
The water in this range should be preferred as the emulsion stability between 5-20 °dH (German Hardness) is guaranteed.It is recommended that you do not mix the Bor Oil, which is to be added, with bacteria that do not contain very soft or very hard water.5% boron oil is slowly added to 95 % water to get the best result.According to the refractometer coefficient, the measurement in the tank should not be lowered below 5% of the level of the mineral oil. Never add water on top of oil.If there is a different type of product in the system, if the system has not been tampered with oil immediately, if the system has not been operated for a long time with the formation of burrs and foams and the liquid color has become dirty appearance, the existing cutting fluid in the system should be completely changed and the system must be cleaned and cleaned and a new emulsion should be prepared.Replacement intervals are classified by operator in terms of process type, difficulty, burr density, oil leaks, system cleaning etc. and should be determined at the optimum level.It is recommended to use between 5-10% in normal machining, while it is recommended to use between 4-6% for lighter machining and grinding operations.

Features

Naphthenic content Feature Stable Micro Emulsion Structure: Superior products used by mixing with water, naphthenic oil, by increasing the solubility of the emulsifier content in products; and easily form stable micro emulsion with water, thanks to the additive anti-bacterial activity; long-lasting, high-performance products are obtained.

Superior Cooling Performance: The feature to eliminate naphthenic oil heat during the cutting process, the product was created using space safely without problems in all seasons, providing superior cooling properties.

Long Cutting Life: Milk Speedol Boron Oil Emulsion, high cutting performance, outstanding machine tool lubrication and corrosion protection to increase production and extend the life of the cutting tool with the features of the tool helps reduce replacement costs.

Excellent Processing Performance: With additive system in the content provides high precision machining performance.

High lubrication Feature: With the additives contained in the lubricating function instead of constantly it brings in a good way.

Technical Specifications

Colour	Visual	Yellow, Amber
Emulsion Appearance	Visual	Milk White
*Density @15°C, g/ml	ASTM D 4052	0,8901
Refractometer Correction Factor	-	1,2
Rust Test	DIN 51360-2	Pass
*Kinematic Viscosity @40˚C, cSt	ASTM D 445	30,34
*5% Emulsion pH	ASTM D 1287	8,7

**Data given above are typical properties and may vary slightly.*

Revision Number

02.06.2026 / REV05