

Quick Tap Synthetic Cutting Fluid

Bardahl Quick Tap Synthetic Cutting Fluid makes it faster and easier to process hard and soft metals. It is a non-emulsifiable, ready-made synthetic cutting oil developed for machining iron, iron alloys, nickel, copper, copper alloys and magnesium.

The problem

Discoloration and corrosion formation is one of the major problems in the machining of metals and often adversely affects the service life of machine parts. Friction from cutting or other operations will break down the lubrication and form a lot of heat that needs to be removed. This heat causes smoke and vapor in sulfur-containing cutting oils that have an unpleasant smell and often lead to complaints from the staff. Cutting waste, dirt and water combined with higher temperatures cause the formation of gum and varnish in the oil which then cause precipitations that can lead to machine failure and discolour the machined metal surface.

How it works

Bardahl Quick Tap Synthetic Cutting Fluid is made up of a combination of high-quality synthetic and mineral oils, Bardahl's "polar attraction" formula and rust and oxidation inhibiting ingredients. The oils and additives in this cutting oil do not cause stains on most metals and the rust – and oxidation inhibitors prevent corrosion from forming on machined metal surfaces and machine parts.

Bardahl Quick Tap Synthetic Cutting Fluid does not contain sulfur and therefore no sulfur vapors will form during processing.

The unique Bardahl formula creates a lubricating film that adheres to the metal and will continue to lubricate where other lubricants or sulfur additives would burn long ago.

Bardahl Quick Tap Synthetic Cutting Fluid will reduce friction and extend tool life and improve the finish of the machined metal surface. A light oil in the cutting oil will dissipate the heat from the metalworking. Finally, anti-oxidation agents will prevent the formation of gum and varnish.

This fluid reduces breakage and wear when tapping, speeds up machining and prevents unevenness.

Application

— **Wire drawing and tapping**

The tools for this operation will stay sharp longer.

— **Bore**

Longer service life and lower temperatures for the drills to be used.

— **Cut**

The cutting oil can be supplied during cutting to ensure constant lubrication during cutting. The saw will stay sharp longer and thus keep maintenance costs and replacement costs low.

— **Punching**

— **Thermoforming application**

Manual

Bardahl Quick Tap Synthetic Cutting Fluid is a ready-made cutting oil for various metalworking operations. Especially for those applications where extra high-pressure properties are required, 10 to 20% **Industrial Oil Additive** can be added to the **Bardahl Quick Tap Synthetic Cutting Fluid**.

*Spots can form on certain aluminum alloys. We recommend this first.

Analysis data

Test		Results
Category	Unit	Bardahl Quick Tap Synthetic Cutting Fluid
Density 15°C	g/ml	0,880
Viscosity 40°C	mm ² /s	35
Viscosity 100°C	mm ² /s	6,3
Viscosity index		135
Flashpoint COC	°C	208
Falex Load	Lbs/inch 2	1750
Four Ball Test	kg	400

Bardahl Quick Tap Synthetic Cutting Fluid is available in various liter packs and in an aerosol can. A spray can packaging makes it possible to lubricate hard-to-reach places such as the inside of a pipe. The "spray" will adhere to any place faster and thus prevents waste of product. The propellant of the spray can provide additional cooling and this allows it to work more efficiently.

Article number 73804
Contents 400 ml

Article number 73851
Contents 1 liter

Article number 73855
Contents 5 liter

Article number 73882
Contents 25 liter

Article number 73886
Contents 60 liter

Article number 73892
Contents 210 liter