

INDUOIL® HL 42

Technical data

Colour	bright brown
Odour	characteristics
Viscosity at 40°C	39 mm ² /s
Density at 20°C	930 kg/m ³
Pour point	< - 10°C
Flash point	> 200°C
VKA	10.500 N
Aromatic compound content	–

Waste code

13 02 07

Water pollution class

WGK 1

This high-performance oil is

- free of PVB/PCT
- free of phenol
- free of chlorine
- free of silicon
- free of heavy metals (such as barium, zinc, molybdenum, etc.)
- biodegrades quickly
- safe from a toxicological standpoint

Product description

INDUOIL® HL 42 is a high performance cutting, stamping and shaping oil based on food safe vegetable oils, with a highly effective combination of additives and outstanding wetting and lubricating properties.

Application

During light-duty non-mechanical (i.e. shaping) operations, such as stamping, bending, shaping, drawing, roll forming, but also during chip-cutting machining such as milling, turning, drilling, sawing and tapping.

Material

Non-alloy and high-alloy steels
(RST 37-3, ZSTE 52, C60, CK60, 42CrMo4, X10 and CrNiMoTi)
Non-ferrous metals (Al)
Heavy metals

Application

Non-diluted by spraying, rolling, daubing, shaping or in the drop procedure.

Not suitable for cyclic or mechanical lubrication!

Recommendation

For optimum, inductive and wear-free applications, we recommend the mist-free INDUTECS® MS minimum volume cooling lubricant systems with dual air jacket.

Benefits

INDUOIL® HL 42 offers the following benefits for minimum volume lubrication:

- minimum residue
- dry workpieces, machines and chips
- no disposal of cooling lubricant
- longer tool service lives
- improvements in performance

Degreasing options

Minimum residue when used as intended. For further machining (painting, powder coating etc.), grease can be removed by means of spray, ultrasonic or immersion cleaning using efficient neutral or alkaline cleaners as well as most organic solvents.

The details provided here are based on our current level of knowledge but are not guarantees of product characteristics and form no basis for contractual legal relationships. Depending on the usage profile, if in any doubt, practical tests will be required on site.