



# LASCOL B4

METALWORKING OIL

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**METALWORKING OIL FOR SEVERE MACHINING**

**EP ADDITIVES**

## SCOPE

- Hydrocracked grinding and cutting oil for severe machining at high cutting speeds.
- EP- additives for hobbing and gearwheel pushing.

## APPLICATION OF LASCOL B4

- Powerful processing oil with a light colour, for grinding and cutting operations.
- Is used for grinding processes on steel with CBN and ceramic grinding wheels at high cutting speeds.
- Its main application is in gear manufacturing processes, like tooth flank grinding.
- The copper corrosion of 1a (ASTM D 130) also makes it suitable for lubrication of hydrostatics bearings in machine tools.

## CHARACTERISTICS OF LASCOL B4

- The EP additives of the product also allow machining processes such as hobbing and gearwheel pushing.
- The low viscosity allows filtration to below 1 $\mu$ .
- Based on hydrocracked mineral oils with a very low aromatic content, and polar-chemically active (EP) additives.
- These cutting edges active ingredients increase the pressure absorption capacity of the oil, reduce wear on the tools and thus extend their service life.
- Does not discolour non-ferrous and light metal.

### LOW VISCOSITY AND FILTRATION BELOW 1 $\mu$

Kin. viscosity at 40°C: 9 mm<sup>2</sup>/sec  
Flash point: 170°C      Density at 20 °C : 0.85 g/cm<sup>3</sup>

Storage temperature: 5 - 40°C  
Storage time: 36 months

Packaging: 5 l, 10 l and 25 l canisters and 60 l and 209 l drums