

LUKOIL FREO MP 65L

High quality semi-synthetic universal metalworking fluid

PRODUCT DESCRIPTION

LUKOIL FREO MP 65L – high quality semi-synthetic emulsion. Provides high cooling and lubricating properties for metalworking processes with metal removing.

LUKOIL FREO MP 65L is universal metalworking fluid. New generation of corrosion inhibitors provides protection against corrosion of the machine elements and also finished parts during storage period.

APPLICATION

LUKOIL FREO MP 65L is suitable for use in universal machine tools, including machine tools with computerized numerical control (CNC).

LUKOIL FREO MP 65L is designed for use in mechanical metal-working processes (grinding, turning, milling, drilling and sawing).

Intended for processing of the following materials: foundry-iron, low-carbon, simple and alloy steels.

BENEFITS

- High resistance to bacterial attack
- Good miscibility with water of different hardness
- Excellent emulsion stability and long service life due to modern non-ionic surfactants
- Excellent hygienic properties
- Meets modern environmental standards
- Compatible with elastomers
- Chlorine-free

The product name in an order:

Metalworking fluid LUKOIL FREO MP 65L, STO 79345251-102-2016

Recommended concentration of the emulsion

Operation mode	Concentration of emulsion, %
Grinding	2-4
Lathe work, cutting, sawing	5-8
Milling, screwcutting	8-10

TYPICAL TEST DATA

PROPERTY	Test methods	LUKOIL FREO MP 65L
Appearance	-	homogeneous oily liquid
Stability at -15°C	GOST 6243, section 5	pass
Density at 20°C, kg/m ³	ГОСТ 3900	1040
pH 3% emulsion contact pair test in water of total hardness 4.6 mg-eq/decimeter ³ /s	GOST 6243, section 4 and 7.2	8.0-10
Hard water influence on emulsion in water of total hardness 4.6 mg-eq/decimeter ³ /, sm ³ : on 3% emulsion	GOST 6243, section 8	0
The factor of refraction		2.5

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO "LLK-International".