

# LUKOIL FREO ML 1075 IS

High quality universal metalworking fluid

## PRODUCT DESCRIPTION

**MWF LUKOIL FREO ML 1075 IS** – a metalworking fluid that forms a stable water emulsion. The product can be used in systems equipped with automatic mixers due to the high speed of emulsification. Recommended working concentration of the emulsion from 3% to 8%.

## APPLICATION

**MWF LUKOIL FREO ML 1075 IS** is intended for use in machining operations; Grinding, turning, milling, drilling, countersink, cutting (sawing).

**MWF LUKOIL FREO ML 1075 IS** is suitable for use in modern machining centers and universal machines. Processed materials: Cast iron, low carbon and carbon steel, alloy steel, aluminum and aluminum alloys, as well as copper and alloys. It can also be used for pressing and molding operations in low-tonnage production.

The product name In an order:

Metalworking fluid LUKOIL FREO ML 1075 IS, STO 79345251-118-2017

## BENEFITS

- Based on mineral oil with high grade purification
- Provides high speed of emulsification. Forms a stable water emulsion as in mixed manually and using an automatic mixer
- Provides good lubrication properties, which allow to increase tool life, reduces production costs and defects
- Provides low corrosion of ferrous and non-ferrous metals
- Provides excellent storage stability and high stability of the emulsion
- High resistance to bacterial attack
- Low tendency to foaming even at high flow pressures, allowing to reduce costs for anti-foaming additives

## TYPICAL TEST DATA

PROPERTY	Test methods	LUKOIL FREO ML 1075 IS
Appearance	-	Homogeneous oily liquid
Stability at -15°C	GOST 6243 part 6	pass
Storage stability	GOST 6243 part 6	pass
Density at 20 °C, kg/m <sup>3</sup>	GOST 3900 / GOST R 51069 / ASTM D1298 / ASTM D4052	900
pH 5% emulsion contact pair test in water of total hardness 4.6 mg-eq/decimeter <sup>3</sup>	GOST 6243 part 4 и 7.2	8-10
The factor of refraction	-	1.1

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"