

LUKOIL FREO GP 3030

Universal synthetic metalworking fluid for cutting and grinding operations

Product description

Specialized synthetic water-miscible metalworking fluid designed for cast iron and alloy steel cutting operations. Contains special additives package, that provides low tendency to foaming, high surface quality of machined parts and protection of tools against wear. Forms a stable solution even in case of mixing with water of high hardness.

Application

Intended for use in general machining operations (grinding, turning, milling, drilling, cutting, etc.) of medium and heavy loading. Processed materials: cast iron, low carbon and carbon steel, alloy steel. Can be used in centralized systems and individual machining centers.

Benefits

CORROSION PROTECTION

Excellent anti-corrosion properties

LOW FOAMING

The additives in the composition guarantee low foaming, including in systems with high supply pressure

EXCELLENT CLEANLINESS

Excellent cleaning properties help effectively remove sludge from the work area

The product name in an order: Metalworking fluid LUKOIL FREO GP 3030, STO 79345251-253-2020

Typical test data

The information given in the typical data does not constitute a specification and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO «LLK-International»

Property	Test methods	Value
Appearance	-	Homogeneous oily liquid
Corrosion activity of 4% solution in distilled water by drip method, cast iron	GOST 6243 p.2	Pass
Storage stability	GOST 6243 p.6	Pass
pH 3% solution in water of total hardness 4.6 mg-eq/dm ³	GOST 6243 p.4	8,5 - 10
Refractometer correction factor	-	2.6

Recommended concentration of emulsion

Operation type	Emulsion concentration, %
Abrasive	3-5
General machining	5-8