

LUKOIL FREO GP 3020

High quality metalworking fluid with increased biostability

Product description

High quality semi-synthetic metalworking fluid with good lubricity properties and high resistance to bacterial attack. Contains modern additive package, that provides high anti-corrosion properties and reliable protection of workpieces and equipment during interoperational storage.

Application

Intended for use in centralized systems and in individual machining centers. Emulsion is suitable for general machining operations (grinding, turning, milling, drilling, cutting, etc.). Processed materials: cast iron, low carbon and carbon steel, alloy steel and some aluminum and titanium alloys.

Benefits

EXTENDED DRAIN INTERVAL

Long life even in highly contaminated systems

EXCELLENT EMULSIFIABILITY

Forms a stable emulsion when mixed with water of varying hardness

CORROSION PROTECTION

Excellent anti-corrosion properties

The product name in an order: Metalworking fluid LUKOIL FREO GP 3020, STO 79345251-256-2020

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 |
| Stability at -15°C | GOST 6243 p.5 | Pass |
| Corrosion activity of 3% emulsion in distilled water by drip method, cast iron | GOST 6243 p.2 | Pass |
| Density at 20 °C, kg/m ³ | GOST 3900 | 1,040 |
| pH 3% emulsion in water of total hardness 4.6 mg-eq/dm ³ | GOST 6243 p.4 | 8,5 - 10 |
| Refractometer correction factor | - | 3.1 |

Recommended concentration of emulsion

| Operation type | Emulsion concentration, % |
|----------------------------|---------------------------|
| Grinding | 3-5 |
| Turning, cutting, drilling | 5-8 |
| Milling | 8-10 |