Cutting oil - inactive

ISO L-MHE

SG® 11 N EKO

SG® 11 N EKO is inactive cutting oil containing refined mineral oil, corrosion inhibitors, lubricating additive, high pressure (EP) and antiwear (AW) additives.

ADVANTAGES

- The use of advanced additives enables lubrication at high pressures and reduced wear of tools, which provides better quality of treated surface,
- Lower viscosity allows better wetting and lower consumption of products,
- Low foam even at high speeds ensures reliable production,
- Good oxidation stability and filtration extend product life,
- Low tendency of smoke/fog creation
- Good anti-corrosion properties guarantee interoperation protection against corrosion,
- It does not contain chlorine, so it can be treated as waste oil.

QUALITY LEVEL

ISO 6743-7, L-MHE,
ISO/TS 12927

APPLICATION

SG® 11 N EKO is intended for operations of turning, drilling, milling, cutting, deep drilling, profile grinding, vertical broaching. It does not contain active sulfur, therefore it is compatible with non-ferrous metals. It is recommended for individual machines and central systems.

	Grey iron	Low-alloy steels	High-alloy steels	Non-ferrous metals and alloys	Light metals and alloys
Milling	***	***	***	***	***
Grinding	***	**	**	-	-
Deep drilling	***	***	***	***	***
Gear manufacturing	***	***	***	***	***
Turning	***	***	***	***	***
Drilling	***	***	***	***	***

*** the best, ** acceptable, * satisfactory, - not satisfactory

ADDITIVE CONTENT

Esters	Sulfur		P	Ca	Zn	Cl
	active	inactive				
+	-	+	+	+	+	-

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TYPICAL CHARACTERISTICS

CHARACTERISTICS	UNITS	VALUES	METHODS
Appearance	-	Clear oil	Visual
Density at 15°C	g/ml	0,870	EN ISO 3675
Kinematic viscosity at 40°C	mm^2/s	11	ISO 3104
Flash point	°C	min 150	EN ISO 2592
Copper corrosion (100°C/3h)	degree	1a	EN ISO 2160
Corrosion on steel	-	no	ISO 7120
EP test (Four ball method) - welding point	N	> 8000	ASTM D 2783
AW test (Four ball method) - wear diameter	mm	0,45	ASTM D 4172

STORAGE

Store in covered area. If stored outdoors, it is necessary to place the drums in a horizontal position to prevent the accumulation of water on the surface of the drum. Do not store at elevated temperatures or in locations exposed to direct sunlight, nor at the temperatures below 0°C.

All necessary instructions can be found in the product SDS. It contains the details of possible hazards, warnings and first aid measures, as well as the impact on the environment and the necessary measures for the storage and handling.

PACKING

Plastic pails of 20 L, tin drums of 180 kg and plastic container of 850 kg.

Data are orientational, manufacturer reserves the right to make changes in order to improve product quality.

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