

Oil for metal processing by deformation – cold forging ISO L-MHE

PRES[®] IPL S

PRES[®] IPL S is inactive non-emulsifiable oil produced from refined mineral oil, high-pressure and antiwear additives (EP and AW) and corrosion inhibitors.

ADVANTAGES

- Good adhesion to metal surfaces,
- Good lubrication and it reduces contact friction,
- Good cooling properties,
- Provides high quality of treated objects,
- Good protection against corrosion,
- Economical in application.

QUALITY LEVEL

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

APPLICATION

PRES[®] IPL S is used for cooling and lubrication in cold die forging operations of items from several operations on multistage presses with 100 forged pieces per minute. The oil is economical in application because it provides very good results in terms of surface quality of the forged pieces and tool life at higher speeds for forging.

Type of processing	Low-alloy steel	High-alloy steel	Non-ferrous metals and light metals
Cold forging	***	***	*

*** the best, ** acceptable, * satisfactory, - unsatisfactory

ADDITIVE CONTENT

Esters	Sulphur		P	Ca	N	Zn	Cl
	active	inactive					
+	-	+	+	-	-	-	-

TYPICAL CHARACTERISTICS

CHARACTERISTICS	METHOD	UNITS	VALUE
Appearance	visual	-	clear oil
Density at 20°C	EN ISO 3675	g/ml	0,910
Kinematic viscosity at 40°C	ISO 3104	mm ² /s	40
Copper corrosion	EN ISO 2160	degree	1b
Steel corrosion	ISO 7120	-	no
Flash point	EN ISO 2592	°C	min 180

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 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 containers of 20 L and tin drums of 180 kg.

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

