

LUBRAL CUTTING HPHL

CUTTING OIL

DESCRIPTION

Cutting oil carefully formulated with high quality paraffinic bases and high-performance extreme pressure additives, free of chlorine, thus reducing the impact on the environment when it is available; useful in operations involving ferrous materials. By its nature it is an excellent replacement for sulfurized olefin and ester based cutting oils. In addition, it offers excellent lubricity and cooling in the process.

- ✓ Excellent surface finish.
- ✓ Low in odor.
- ✓ Does not stain.
- ✓ Excellent corrosion protection.

APPLICATIONS

Recommended for applications in machining hard steels and metals insensitive to sulfur.

BENEFITS

- ✓ Extended tool life.
- ✓ Chlorine-free, environmentally friendly.

CHARACTERISTICS

TESTS	TEST METHOD	TYPICAL VALUE
Color	Visual	Amber
Appearance	Visual	Bright
Density, @15.6°C	ASTM D-1298	0.89
Kinematic viscosity @40°C, cSt	ASTM D-445	122
Kinematic viscosity @100°C, cSt	ASTM D-445	13
Viscosity Index	ASTM D-2270	99
4 balls wear, mm	ASTM D-4172	0.66
Flash point, °C	ASTM D-92	220
Copper sheet corrosion	ASTM D-130	4c

Typical Characteristics are those obtained with normal tolerance of production and no constitute a specification. Variations that do not affect the yield product during the normal manufacturing and on different mixing locations are expected.

Information contained in this document is held to changes without previous advisement. The availability of the products could vary depending on the location. For further information, contact venta@lubral.com