



Harol NC 12

Product Datasheet

Description

Harol NC 12 is heavy-duty oil developed for deep-hole drilling or gun drilling of cast iron, low to high alloy steel. It is specially formulated with synthetic ester and mineral oil technology along with extreme-pressure additives. It provides reduced friction and good anti-weld properties at the chip-tool interface, resulting in extended cutting tool life and good surface finishes on the machined parts.

Product Specification

It meets IS 3065 – 1985, Type 3, Grade I Specification requirements.

Technical Specification

S.No.	Properties	Method	Limits
1	Appearance	Visual	Clear & Bright yellow liquid
2	Kinematic Viscosity @ 40 °C, cSt	ASTM D 445	12 to 15
3	Viscosity Index,	ASTM D 2270	90 Min
4	Flash Point, °C	ASTM D 92	150, Min
5	Density @ 29.5 °C, g/ml	ASTM D 1298	0.83, Min
6	Copper strip corrosion test @100°C for 3 hrs.	ASTM D 130	4b

Benefits

- It has excellent heat dissipation due to low viscosity
- It gives good anti - chip welding properties because of special polar and EP additives used in formulation
- Reduced friction helps in extending cutting tool life.
- Chlorine free product tends to low disposal cost

Application

This product is suitable for deep-hole drilling or gun drilling of cast iron, alloy steel, carbon steel and stainless steel. It is not suitable for non-ferrous metals.

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