

POWEROIL MET CUT S PLUS

GENERAL PURPOSE SOLUBLE CUTTING OIL

POWEROIL MET CUT S PLUS is high quality conventional milky emulsion type general purpose soluble cutting oil manufactured from specially selected base stocks with superior performance additive pack containing carefully chosen emulsifier, which offers very stable emulsion even in hard water. The product contains selected rust inhibitors for ensuring effective metal protection and new generation biocides to provide long emulsion life.

PERFORMANCE STANDARDS: BIS:1115- 1986* (Reaffirmed 2013)

CHARACTERISTICS	POWEROIL MET CUT S PLUS
Appearance	Amber Clear Liquid
Specific Gravity @29.5°C.	0.890
Kinematic Viscosity @ 40°C, cSt.	20
Flash point, COC, °C, min	150
PH (5% Emulsion D/W)	9.2
Emulsion Stability Test (24 Hrs) at 5:1 & 20:1 ratio in 400 ppm Hard water (as CaCO ₃)	Stable Emulsion
Thermal Stability Test (at 0°C & 50°C)	Pass
Cast iron corrosion test (IP-125)	Pass

The above properties are typical values and do not constitute specification of the product

*** Exceeds BIS: 1115 – 1986 specs w.r.t. hard water stability.**

APPLICATION:

- Recommended for a wide range of metal working operations on both ferrous and non-ferrous metals.
- Ideal for applications like turning, milling, drilling and tapping, etc.
- Suitable for use even with higher hardness of water.
- Suitable for use as pickling oil during cold rolling of steel.
- Recommended as a general-purpose coolant.

PERFORMANCE BENEFITS:

- Very good cooling and lubricating characteristics
- Ensures long grinding wheel life while in use as grinding coolant
- Highly stable emulsion even in hard water
- Operator friendly
- Economical to use due to its longer sump life
- Excellent rust protection to machined components