

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* (Reaffirmed2013)

| 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 CaCO3) | 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