POWEROIL MET CUT PREMIUM
GENERAL PURPOSE SOLUBLE CUTTING OIL

POWEROIL MET CUT PREMIUM is high quality conventional milky emulsion type special purpose soluble Cutting Oil manufactured from specially selected base stocks with superior performance additive packages containing carefully chosen emulsifier, which offers excellent stable emulsion and wettability and hard water stability. Selected rust inhibitors in the product ensures effective metal protection. Further, new generation biocides added in the oil provide long emulsion life.

APPLICATION

- Recommended for wide range of metal working operations on both ferrous and non-ferrous metals.
- Recommended for application of Turning, Broaching, Slotting ,Milling , Grinding, Tapping Boring, and Sawing
- Superior emulsifier package ensures good wettability and improved cooling and flushing ability.
- Recommended for applications like turning, milling, drilling and tapping, etc.
- Can be effectively used even with higher hardness of water.
- Suitable for use as during cold rolling of steel.
- Can be recommended as a tempering /blackening oil for nuts and bolts after Quenching

PERFORMANCE BENEFITS

- Excellent cooling and lubricating characteristics
- Displays high emulsion stability even in hard water
- Better high temperature stability - offers better die life and lower oil consumption
- Economical to use due to its longer sump life
- Offers better rust protection of machined components

PERFORMANCE STANDARDS

Meet the requirements BIS: 1115- 1986*(Reaffirmed2013)

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

TYPICAL CHARACTERISTICS

CHARACTERISTICS	POWEROIL MET CUT PREMIUM
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

Note: Always consult your original equipment manufacturers (OEM) recommendations**.**