



POWER SYNTHCUT –25 Semi Synthetic Cutting Fluids

POWER Synthcut –25 is a semi synthetic, environment –friendly cutting fluid that has been developed for use as a general purpose grinding and light to medium duty machining fluid for ferrous & its alloy metals. It contains special lubricity & E.P additives and rust inhibitor, which protect Ferrous components of machine tools. Power Synthcut –25 has remarkable anti-rust characteristics coupled with a high resistance to bacterial attack. This product is specially designed to offer extended sump life with better tool life

APPLICATION:

- Power Synthcut –25 is recommended for wider range of metal working operations.
- Suitable for metal cutting & grinding of ferrous & its alloys
 - Material Compatibility
 - ✓ Cast Iron
 - ✓ Ferrous Alloys
 - ✓ Stainless steels

PERFORMANCE BENEFITS:

- Excellent cooling and lubricating properties
 - Good emulsion stability and long coolant life
 - Stable emulsion even in hard water
 - Offers excellent rust protection
 - Reduces machine down time
 - Nitrite & Chlorine free hence environmentally safe.
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POWEROIL

Specialty Oils & Lubricants

Typical Physical Characteristics

CHARACTERISTICS	POWER SYNTHCUT -25
Appearance of concentrate	Clear Amber fluid
Density @ 29.5 °C	1.01
Emulsion –Appearance	Clear & Translucent
Thermal Stability Test	Passes
Cast iron corrosion Test @ 3%, 200 ppm(IP 287)	No Rust
PH 5% dilution in Distilled water	9.25
Refractometer Reading multiplication Factor	1.5

Recommended Concentration:/Direction of use

• Recommended Dilutions

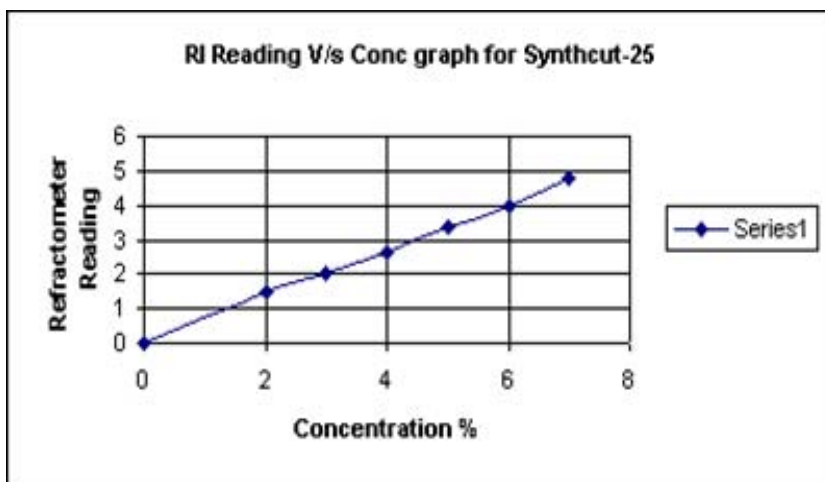
Type of Operations	Concentration %
General Machining	5-6
Tapping	6-8
Deep hole drilling & boring	6-8
Reaming	8-10
Grinding	2-3

- While mixing always add oil to the water
- Use good quality water with water hardness less than 400 ppm and chloride content below 50ppm
- Use clean and sterilized sump before every fresh charge.

Additional Information

Concentration monitoring

Concentration %	RI Reading
0	0
2.0	1.5
3.0	2.0
4.0	2.6
5.0	3.4
6.0	4.0
7.0	4.8



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