

KYNOS WS

Water-Soluble Cutting Oil

KYNOS LUBRICATION PRIVATE LIMITED

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KYNOS WS: Water Soluble Metalworking Fluid.

KYNOS WS is a high-performance water-soluble cutting fluid that forms milky emulsions, with low foam and high cooling and anticorrosive properties. It incorporates additives that ensure, when used in the recommended concentration, a superior performance compared with conventional emulsions in terms of finishing and tool life.

Applications

It provides good lubrication and coolant properties due to its microfine nature of the emulsion, improving penetration of the fluid into critical tool/chip interface resulting in superior finish on components and extended tool life.

It is suitable for all kind of operations with steel and cast iron, brass, aluminium and copper. The product is suitable for a wide variety of machining operations as turning, milling, tapping, boring, reaming, broaching and threading. For all type of CNC, transfer and metalworking machines.

Benefits

- Operator acceptability.
- Ideal rationalization product.
- Good service life.
- Environmentally acceptable.
- Does not contain nitrite, boron, amines or chlorine.
- Doesn't form sticky deposits on machine surface.
- Economical in Use.
- Multi metal

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Typical Performance Data

Properties	KYNOS WS		
	1000	6000	8000
Appearance	Clear	Clear	Clear
Service Life	Up to 1000 Hrs	Up to 6000 Hrs	Up to 8000 Hrs
Base Oil	Mineral	Semi-Synthetic	Fully Synthetic
Emulsion Type	Semi-stable	Fine stable emulsion	Ultra stable nano emulsion
pH (5% solution)	8.5 – 9.0	9.0 – 9.3	9.3 – 9.6
Corrosion Protection (IP 287)	Pass	Excellent	Superior
Refractometer Factor	1.0	1.2	1.4
Boron Content	No	Yes	Yes(high performance booster)
Chlorine Content	Yes (Low)	No	No
Biocides/Antimicrobials	Basic package	Enhanced	Advanced anti-fungal and bacterial package
Mixing Ratio	5% - 10%	4% - 8%	3% - 6%

*All performance data on this Technical Data Sheet are indicative only and may vary during production.

Storage

Soluble oils are susceptible to frost damage. Store containers indoors to protect extremes of temperature.