CUTOIL X

Sulpho-chlorinated EP Neat

CUTOIL X oils are fluids usually based on mineral oils and used for cutting without further dilution. They are generally blends of mineral oils and other additives.

CUTOIL X oils can be used for applications from light machining to heavy-duty operations such as gear hobbing, broaching, turning, honing and drilling.

CUTOIL X is a low viscosity solvent refined paraffinic oil with an sulpho- chlorinated EP additive package specially formulated for General purpose machining operations such as Honing ,Cuting ,etc on tough ferrous metals.

This oil gives outstandingly high performance and has low levels of odour and fumes during service. It is used for cutting steels of over 50 TSI (UTS), and for glass and thread grinding.

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Secondary functions of a neat cutting oil include
The removal of swarf and dust

Lubrication of other parts of machinery such as slideways and screws
Corrosion protection of the workpiece and exposed metal parts of the machine tool
Neat cutting oils are used where there is
High stock removal
High quality surface finish requirements
Slow speeds, high feeds
Older machines with stock head ingress
Water effects tool matrix
CUTOIL X is recommended for broaching operations on high tensile steels and heat resisting alloys.
Its low viscosity ensures good penetration to the cutting edge and assists the removal of swarf.
CUTOIL X will not stain yellow metals.
suitable for operations that require very high rates of metal removal.
It is used for:

- ► Give extended tool life
- ► Low odour
- ► Clarity, for workpiece visibility
- ► Improved workpiece surface finish
- ► Excellent lubrication and cooling properties
- ► Low drag-out losses due to light viscosity.

Type	LIGHT.	M LIGHT	MEDIUM	HEAVY
Density @15 °C, kg/L	0.87	0.88	0.89	0,897
Kin Viscosity @40 °C, cSt	12	24	36	69
Pour Point, °C	-11	-11	-12	-12
Flash Point, °C	220	234	253	260

The above figures are typical of those obtained with normal production tolerances and do not constitute a specification.