



Gulf Cut 79C

Active sulfur Neat Cutting Oil

Product Description

Gulf Cut 79C is active sulfur type neat cutting oil is suitable for extremely wide range of operations and are particularly suitable in difficult applications where surface finish is of extreme importance and when machining and grinding stainless steels, alloyed steels, heat resistant or austenitic steels and aluminium or magnesium alloys. These are formulated with highly refined base oils, oiliness agents and compounded with active sulfur and chlorinated EP additives. The excellent load-carrying and antiweld properties allow high rates of metal removal with resultant savings in machining costs with the use of Gulf Cut 79C. This oil provides good tool life and excellent surface finish of the machined surfaces even in arduous operations like broaching, deep hole drilling, tapping, shaping or shaving of gears. Due to active sulfur in Gulf Cut 79C there is a risk of staining of yellow metals like copper, brass, etc.

Features & Benefits

- Consistently high surface finish and dimensional accuracy
- Extreme pressure performance reduces chip welding, improves machinability and extends tool life.
- Clean and good clarity improves visibility of operation and operator acceptance
- Versatile product which can be used in varied applications
- Protects metal forms against corrosion for a brief period of outdoor storage
- Stable in storage and will not become rancid

Applications

- Machining and grinding of stainless steels, difficult to machine high alloy steels and nickel, titanium and specially high strength alloys
- Typical operations include deep hole drilling, gear cutting, broaching, tapping, shaping or shaving of gears, gear making, threading, tapping, roughing operations, form cutting, etc
- Automatic, semi-automatic screw cutting machines and multi-tool capstan and turret lathes machining high tensile steels with particular reference to high volume production.
- Surface and form grinding – rough and finish – of difficult to machine steels

Specifications, Approvals & Typical Properties

Typical Properties		
Test Parameters	ASTM	Typical Values
Viscosity @ 40 °C, cSt	D 445	37
Viscosity Index	D 2270	95
Flash Point, °C	D 92	200
Density @ 15°C, Kg/l	D 1298	0.87
Copper Corrosion	D 130	3a
Foam Test, foam after 10 minutes of settling for all sequences	D 892	Nil
Chlorine		Present
Fat		Present
Inactive sulfur		Not present
Active sulfur		Present

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Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

Gulf Oil International

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