



SHELL MACRON 201 F -22 & -32
SHELL MACRON OIL GP 22 & 32(Previous name)

Metal Working
Neat Cutting Oil

- Chlorine free
- Low aromatic components
- Low oil mist and vapour
- Free of heavy metals

APPLICATIONS

Shell Macron 201 F-22 & -32 are neat cutting oils for multipurpose general machining on automatic lathes and for cutting operations on steels, non-ferrous metals and light metals.

CHARACTERISTICS

Shell Macron 201 F-22 & -32 are based on hydrotreated mineral oils with a low aromatic content. A combination of polar, extreme pressure and anti wear additives provide the oils with high load carrying properties. The oils provide good tool life and good surface finish of the machined workpieces. High efficient anti mist additives reduce the mist load in the air. There is no risk of staining by the machining of yellow metals.

TYPICAL PHYSICAL CHARACTERISTICS OF SHELL MACRON 201 F-22 & -32

	Unit	Method	Shell Macron 201 F-22	Shell Macron 201 F-32
Kinematic viscosity		ASTM D 445		
• at 20°C	mm ² /s		49	86
• at 40°C	mm ² /s		22,0	32,0
• at 100°C	mm ² /s		3,9	5,8
Density at 20°C	kg/m ³	ASTM D 4052	863	866
Flash point COC	°C	ASTM D 92	190	210
Cu-Corrosion Test	Alfa	ASTM D 130	1a	1a
Appearance			Light Yellow	Light Yellow

These characteristics are typical of current production.

Whilst future production will conform to Shell's specification, variation in these characteristics may occur.

REMARKS

-Storage

Recommended temperature: 5 - 40 °C
 Storage time: 3 years
 Storage class (VCI-concept): 10

-Compatibility

With other Macron oils or similar based neat cutting oils.

-Health and Safety

For further information please mind the current material safety data sheet.