

Motorenöle

Motor oils

Getriebeöle

Gear oils

**Zweitaktöle und
Traktorenöle**

*Two-stroke oils and
tractor oils*

Hydrauliköle

Hydraulic oils

**Industrie- und
Spezialschmierstoffe**

*Industrial and
specialty lubricants*

PENNASOL MULTI CUT 22, 32, 46 (metalworking oil non water miscible)

PENNASOL MULTI CUT 22, 32, 46 are cutting oils for the application on steel, aluminium and yellow metals. Because of the high additive level of fatty substances PENNASOL MULTI CUT 22, 32, 46 are well suited for yellow metal machining processes and easy deep drilling operations. The base oil with low volatility and high viscosity index secures very good product stability and long-term process reliability.

Application:

alloyed steel	unalloyed steel	aluminium	yellow metals
X	X	XX	XXX

XXX: excellent suitable

XX: very well suitable

X: suitable

-: not recommended

Active Components:

Ester	S (active)	S (not active)	P
XX	-	-	-

XX: high level

X: normal level

-: not contained

Technical Data:

value	unit	method	MULTI CUT 22	MULTI CUT 32	MULTI CUT 46
viscosity 40°C	mm ² /s	DIN 51562-1	24,0	32,7	43,2
density 15°C	kg/m ³	DIN EN ISO 12185	860	862	866
flash point	°C	DIN ISO 2592	234	252	258
copper corr.	Grad	ASTM D 130	1a	1a	1a

09/2015

Version 3

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