



METAL WORKING OILS

ADDINOL PENTA-COOL NM 7000 N

PRODUCT DESCRIPTION

ADDINOL Penta-Cool NM 7000 N is a non-water miscible coolant based on selected mineral oil solvates with low PAH content. The product contains EP-additives based on organic sulphur and sulphur-phosphorus compounds, polar components, antioxidants and corrosion inhibitors.

APPLICATION

- Particularly suitable for cutting operations of ferrous metals which are difficult to cut e.g. high-alloyed case hardened or quenched and tempered steel and chrome-vanadium steel as well as stainless steel
- Highly applicable for automatic tool machines for gear teeth working, for grinding, broaching, thread rolling, thread cutting and tool grinding

CHARACTERISTICS

- EP-additives
- Polar substances to improve the lubricating capacity
- Improved antioxidants
- Enhanced corrosion inhibitors

DELIVERY

Delivery preferable in drums.

APPLICATION CONCENTRATION

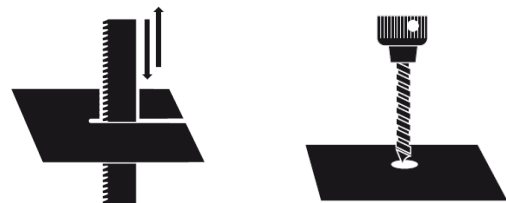
Undiluted application.

PLEASE NOTE

Due to the high content of active sulphur compounds ADDINOL Penta-Cool NM 7000 N is not suitable for non-ferrous metals.

ADVANTAGES AND BENEFITS

- Processing also at higher loads
- Efficient lubrication at metal working
- Longer oil lifetime
- Very good protection of the workpieces





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SPECIFIKATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		Penta-Cool NM 7000 N	Method acc. to
Appearance, colour			clear, yellow liquid	visual
Application concentration			undiluted	
Density	at 15°C	kg / m ³	880	DIN EN ISO 12185
Viscosity	at 40°C	mm ² /s	28	DIN EN ISO 3104
	at 100°C	mm ² /s	6	
Flash point	COC	°C	210	DIN EN ISO 2592
Pour point		°C	-15	DIN ISO 3016
Phosphorous content		%	0.16	
Sulphur content		%	1.0	DIN 51391-3
Aromatics content		%	6	
VKA ok load		N	7,000	DIN 51350

ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.