



METAL WORKING OILS

ADDINOL HARDENING OIL 29

PRODUCT DESCRIPTION

ADDINOL Hardening oil 29 is a mineral oil raffinate with excellent oxidative stability, narrow boiling range and low vapour pressure.

DELIVERY

Delivery preferable in drums.

APPLICATION

- Excellent suitability for hardening of tools made from alloyed tool steel
- Highly suitable for hardening of components made from low or unalloyed quenched and tempered steel or case-hardened steel
- Application in closed furnace systems with integrated oil quenching bath under vacuum conditions

CHARACTERISTICS

- High oxidation resistance
- Narrow boiling range, low vapour pressure
- High evaporation stability at low viscosity
- Odourless
- Good physiological characteristics

ADVANTAGES AND BENEFITS

- No decomposition products
- Low re-filling quantity
- Ideal for vacuum conditions
- Convenient working
- No health hazard



ADDINOL HARDENING OIL 29

TYPICAL PARAMETERS

Feature			Hardening oil 29	Method acc. to
Appearance			clear, free from contaminations	visual
Density	at 20°C	kg / m ³	880	DIN 51757
Viscosity	at 40°C	mm ² /s	29	DIN 51562-1
Flash point	COC	°C	200	DIN EN 2592
Pour point		°C	-15	DIN ISO 3016
Tendency to form coke		%	< 0.03	DIN 51551

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 70 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.