



## SPECIAL PRODUCTS

# ADDINOL STENTER OIL 220

### PRODUCT DESCRIPTION

ADDINOL Stenter Oil 220 is a fully synthetic high-performance lubricant based on oxidation-resistant base oils with outstanding thermal stability.

ADDINOL Stenter Oil 220 has an optimised additivation to guarantee a very good lubricating effect as well as a low friction and an excellent ageing stability. It is neutral with environmental influences e.g. fluff and secure an outstanding corrosion and wear protection.

### APPLICATION

- ADDINOL Stenter Oil 220 is useable for lubrication of conveyor, frame and tensioning chains with high loads and speeds
- Furthermore it can be used for the lubrication of sliding and roller bearings, rolls and joints
- Application fields: stentering frames, hot air and continuous dryers
- In the high temperature area of spinning machine, coiling and knitting machine as well as weaving machine and for finishing of cloth and material e.g. colouring, printing and drying systems
- ADDINOL Stenter Oil 220 is especially recommended for exceptionally high temperatures and difficult lubricating and operating conditions. It is excellently **suitable for temperatures up to +250°C**, depending on re-lubrication and lubrication quantity

### CHARACTERISTICS

- Excellent thermal and oxidative stability
- Very low tendency to form deposits
- Minimal evaporation losses
- Neutral against contamination with textile dust and particles
- High friction and wear protection
- Excellent lubricating, creeping and adhesive behaviour as well as very low friction resistance
- Good corrosion protection of steel and non-ferrous metals

### SPECIFICATIONS/APPROVALS

ADDINOL Stenter Oil 220 is suitable for chain systems e.g. in plants of:

- Benninger,
- Brückner Leonberg,
- Brazzoli,
- Dornier and
- Ratti

ADDINOL Stenter Oil 220 is usable in particular high-speed slide chain systems.

### ADVICE

Please follow the regulations and instructions of the plants manufacturer. For additional information and questions, the experts of the ADDINOL application engineering are in attendance.

### DELIVERY

Delivery preferable as loose goods, in containers or drums.

### ADVANTAGES AND BENEFITS

- Useable at maximal productivity and highest temperatures
- No residues or forming of sticky or solid incrustations
- Low oil consumption
- Safe operation under critical environmental influences
- Low energy consumption
- Reduces dripping or throwing off, optimum adhesion and high thickness of lubricating film
- Excellent protection of material surfaces regarding critical environmental influences





## ADDINOL STENTER OIL 220

Preferred application by centralised lubrication systems, drip oilers, sump lubrication or manually. Dosage and lubricating intervals depend on the construction of chains and aggregates as well as operating conditions.

### SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		Stenter Oil 220	Method acc. to
Appearance			clear, yellowish, free from contaminations	visual
Density	at 15°C	kg / m <sup>3</sup>	936	DIN 51757
Viscosity	at 40°C	mm <sup>2</sup> /s	225	ASTM D 7042
	at 100°C	mm <sup>2</sup> /s	21	
	at 200°C	mm <sup>2</sup> /s	3.4	
Viscosity index			111	DIN ISO 2909
Flash point	COC	°C	> 280	DIN EN ISO 2592
Pour point		°C	- 42	ASTM D 7346
Corrosion protection on steel	method A	corr. level	(0) passed	DIN ISO 7120
Corrosivity on copper	at 150 °C, 3h	corr. level	1	DIN ISO 2160
Evaporation loss		%	< 2.4	DIN 51581-1
Four-ball welding load		N	2,000 / 1,800	DIN 51350-2
Four-ball indentation diameter	1h, 300N	mm	0.38	DIN 51350-3

### 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.