



## SPECIAL OILS

# ADDINOL SPECIAL OIL XH 220 A

### PRODUCT DESCRIPTION

ADDINOL Special Oil XH 220 A is a fully synthetic fluid on the basis of carboxylic acid esters; it contains additives to enhance ageing stability, corrosion resistance and anti-wear properties.

Operating temperature up to +240°C.

### APPLICATION

- Excellent suitability for the lubrication of conveyor systems in high temperature applications
- Application at thermally heavy loaded friction pairings of conveyor chains, rolls and belts
- Use in continuous furnaces, driers, forming presses, enamelling furnaces etc.
- Fields of application are the manufacturing of glass, insulating materials, wood processing industries, textile industry and paint lines
- Production lines for pressing, stamping and soldering of non-ferrous metals and plastics

### SPECIFICATIONS/APPROVALS

Viscosity classification acc. to ISO 3448

- ISO-VG 220

**ADDINOL Special oil XH 220 A can be mixed with mineral oils and similar synthetic oils; but it displays superior characteristics compared to mineral oil based products and a number of synthetic products.**

**With regard to the stability towards non-metallic materials (e.g. sealing, paints) products based on fluororubbers, polyamides, polyurethanes, polyacetals and epoxy resins have been successfully applied.**

### DELIVERY

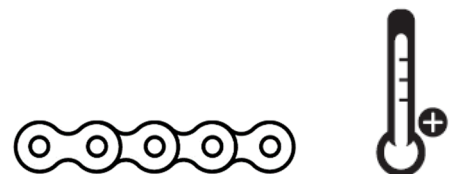
Delivery preferable in drums.

### CHARACTERISTICS

- Excellent thermal and oxidative stability
- Very low tendency to form deposits
- Low evaporation losses
- High wear protection
- Prevents unwanted stick-slip effects
- Excellent creeping and adhesive behaviour
- Good corrosion protection of steel and non-ferrous metals

### ADVANTAGES AND BENEFITS

- **Efficient and long operating time at high temperatures**
- **No gumming or varnish build-ups**
- **Low oil consumption**
- **Reduces friction, wear and energy consumption at varying loads and sliding speeds**
- **Guarantees sliding without jerks both under full and minor load**
- **Reduces dripping or throwing off, optimum adhesion and thickness of lubricating film**
- **Excellent protection of material surfaces**





# ADDINOL SPECIAL OIL XH 220 A

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.

## PLEASE NOTE

**Please follow instructions and information of plant manufacturers! If you have any further questions the ADDINOL experts for technical application will be happy to assist you.**

## SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		Special oil XH 220 A	Method acc. to
Appearance			clear, yellowish free from contaminations	visual
Density	at 15°C	kg/m <sup>3</sup>	940	DIN 51757
Viscosity	at 40°C	mm <sup>2</sup> /s	228	ASTM D 7042
	at 100°C	mm <sup>2</sup> /s	22	
	at 200°C	mm <sup>2</sup> /s	3.6	
Viscosity index			108	DIN ISO 2909
Flash point	COC	°C	> 285	DIN EN ISO 2592
Pour point			-39	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			< 2.5	DIN 51581
Four-ball welding load			1,800 / 2,000	DIN 51350-2
Four-ball tester/wear factor	1h, 300N	mm	0.36	DIN 51350-3
Brugger value			45	DIN 51347

## 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.