



SPECIAL PRODUCTS

ADDINOL CLIPTEC XHS 280

PRODUCT DESCRIPTION

ADDINOL Cliptec XHS 280 is a fully synthetic high-performance lubricant based on a mixture of highest-grade oxidation resistance base oils with outstanding thermal stability.

ADDINOL Cliptec XHS 280 possess an excellent additivation to guarantee very good lubricating effects, good wettability, low friction, outstanding aging stability and best corrosion as well as wear protection.

APPLICATION

- ADDINOL Cliptec XHS 280 is a high-temperature stable lubricant especially developed for the lubrication of conveyor belts and clips
- ADDINOL Cliptec XHS 280 is particularly recommendable at high temperatures and difficult lubricating and operating conditions
- ADDINOL Cliptec XHS 280 is highly suited for the lubrication of plants for processing with non-ferrous metals and plastics, for high-temperature applications in kilns, dryers, presses and other devices for the lubrication of conveyor belts, chains and rolls at **temperatures up to +250°C** (temperature depends on re-lubrication and lubricant quantity)

ADDINOL Cliptec XHS 280 is listed acc. to:

- NSF H2 / HX-2

CHARACTERISTICS

- Highest thermal and oxidative stability
- Very low tendency to form residues and varnishes at friction points; prevents effective and permanent against solid crustifications and deposits
- Extremely low evaporation loss
- Outstanding protection against friction and wear at various loads and sliding speeds
- Works against unwanted stick-slip characteristics
- Outstanding lubricating, adhesive and penetrating characteristics, very low friction resistance
- Very good corrosion protection of steel and non-ferrous metals

SPECIFICATIONS / APPROVALS

ADDINOL Cliptec XHS 280 is approved in following BRÜCKNER sliding systems with a speed of > 350m/min and temperatures of > 200°C:

- FOK 4.4.1
- FOK 4.4.2
- FOK 4.4.3
- FOK 4.4.4
- FOK 4.4.5
- FOK 4.4.6
- FOK 4.5
- FOK 4.7
- FOK 4.7.2
- FOK 4.8

ADDINOL Cliptec XHS 280 is approved in following BRÜCKNER roller systems with a speed of > 350m/min and temperatures of > 200°C:

- FOK 5.1
- FOK 5.2

ADDINOL Cliptec XHS 280 has passed the requirements of BRÜCKNER qualification processes.

ADDINOL Cliptec XHS 280 is approved by Cellier for sequential stretching processes with sliding chains.

ADVANTAGES AND BENEFITS

- Applicable at maximum productivity and highest operating temperatures
- Does not form deposits or sticky and solid residues
- Cost saving by reduction of oil consumption
- Lowering of wear and energy consumption
- Ensures anti-stick-slip sliding both under full and minimum load
- Minimised throwing or dripping off; achieves an optimal adhesion of lubricant and a sufficient lubricating film thickness
- Excellent protection of the material surfaces against environmental impacts





ADDINOL CLIPTEC XHS 280

Preferable application by centralised lubrication systems, dripping oilers, manual or by sump lubrication.
Dosage and lubrication intervals depend on chain and plant construction as well as operating conditions.

PLEASE NOTE

Please follow the regulations and instructions of equipment manufacturers. If you have more specific questions please contact our experts for technical application.

DELIVERY

Delivery preferable in drums.

SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		Cliptec XHS 280	Method acc. to
Appearance			clear, free from contaminations	visual
NSF registration number			135634	
Approvals			Brückner	
Density	at 15°C	kg/m ³	976	DIN 51757
Viscosity	at 40°C	mm ² /s	295	ASTM D 7042
	at 100°C	mm ² /s	25	
	at 200°C	mm ² /s	3.9	
Viscosity index			111	DIN ISO 2909
Flash point	COC	°C	290	DIN EN ISO 2592
Pour point			-35	ASTM D 7346
Corrosion protection on steel	method A	passed		DIN ISO 7120
Corrosivity on copper	at 150°C, 3h	1		DIN ISO 2160
Evaporation loss			< 2.0	DIN 51581-1
VKA – wear scar diameter	1h, 300 N	mm	0.34	DIN 51350-3
VKA – welding load			1,800 / 2,000	DIN 51350-2
Stick-Slip friction coefficient			0.11	LÜ 2100

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.