



LUBRICANTS FOR FOOD INDUSTRY

ADDINOL FOODPROOF CLP 220 WX, CLP 320 WX

PRODUCT DESCRIPTION

ADDINOL FoodProof CLP 220 WX and CLP 320 WX are industrial gear oils based on white oil in ISO-VG 220 and 320.

All ingredients of ADDINOL FoodProof CLP ... WX are physiologically harmless and meet the European guidelines, the NSF category H1 as well as the requirements acc. to Kosher and Halal. The ingredients also meet the internationally accepted FDA standards and they are free from allergens acc. to Regulation (EU) No. 1169/2011, annex II.

Application temperature from -10°C up to +100°C.

APPLICATION

- Gear Oil for the lubrication of various construction types of enclosed industrial gears with spur or bevel toothing
- Ideal for applications in food, feed, cosmetics as well in pharmaceutical industry with high requirements on the lubricant
- Highly recommended for lubrication points where an incidental contact with food cannot be excluded
- Usable as circulating oil and in general machine lubrication

PLEASE NOTE

Overlubricating must be avoided to prevent unnecessary contamination of food and consumer goods.

CHARACTERISTICS

- Light colour; neutral in smell and taste, physiologically harmless; NSF-H1 registered
- Reliable corrosion protection
- Neutral towards common sealing materials and paints
- Excellent air and water separation; low foaming tendency
- Efficient EP/AW additivation
- High viscosity index

APPROVALS / SPECIFICATIONS

Exceed the requirements for lubricating oils:

- DIN 51517-3 (CLP)
- ISO 12925-1/ISO 6743-6 (CKC/CKD)
- ANSI/AGMA 9005-F16

Viscosity grading accordingly:

- DIN ISO 3448

Listed and released according to:

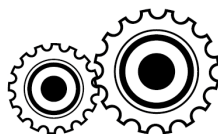
- NSF-H1 (for registration numbers see table on the back)
- Kosher
- Halal
- FDA guideline 21 CFR 178.3570

REFERENCE POSSIBILITY

Delivery preferably in drums and 20L canister

ADVANTAGES AND BENEFITS

- Highly recommended for lubrication points where an incidental contact with food cannot be excluded
- Excellent protection of machine parts and trouble-free operation
- Outstanding protection towards leakages due to a long lifetime of the sealing material
- Excellent safety against cavitations and foam formation
- Effective wear protection and scuffing load capacity
- Also usable for higher requirements on the lubricant
- Outstanding viscosity-temperature-behaviour





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SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		FoodProof CLP 220 WX	FoodProof CLP 320 WX	Method acc. to
ISO viscosity grade			220	320	DIN ISO 3448
NSF registration number			154560	154561	
Density	at 15°C	kg/m ³	875	876	DIN 51757
Viscosity	at 40°C	mm ² /s	229	302	ASTM D 7042
	at 100°C	mm ² /s	22	27	
Viscosity index			116	118	DIN ISO 2909
Flash point	COC	°C	250	260	DIN EN ISO 2592
Pour point		°C	-20	-20	ASTM D 7346
Corrosion protection on steel	Method A/B	corr.level	passed		DIN ISO 7120
Corrosivity on copper	at 100°C, 3h	corr.level	1		DIN EN ISO 2160
FZG test	A/8.3/90	load stage	> 12		ISO 14635-1
Ageing behaviour, increase in viscosity at 100°C	After 312h, at 121°C	%	≤ 6		ISO 4263-4
Demulsifying ability	at 82°C	Min	10	15	DIN ISO 9120
Foaming characteristics	at 24°C	ml/ml	< 50 / 0		ASTM D 892
	at 93.5°C	ml/ml	< 50 / 0		
	at 24°C after 93.5°C	ml/ml	< 50 / 0		
Foam and air separation characteristics in the Flender foam test	Vol. increase, 1 min, % Oil-air mixture, 5 min, %		< 15 < 10		ISO 12152

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.