



## Optileb GT 220

Fully synthetic gear lubricants, physiologically safe, NSF H1 authorized

### Description

OPTILEB™ GT 220 is a gear oil with NSF H1 authorization, especially developed to meet the special requirements in the food and beverage industries. It is based on synthetic oils and contain carefully selected additives to prevent wear, oxidation and corrosion. OPTILEB GT 220 gear oil is in conformity and even exceed the requirements of DIN 51517 part 3 CLP.

### Application

- For the special requirements in the food and beverage industries where there may be direct exposure of the lubricated part to the edible product or its packaging.
- For spur, angular and worm gears.
- For gear motors of stirring machines, turners, packaging machines etc.
- For chain variators.
- For rolling and sliding bearings.
- For pumps and closed circulating systems.

### Advantages

- OPTITEC - OPTIMOL technology
- odorless, tasteless and colorless
- high load carrying capacity
- excellent wear, oxidation and corrosion protection
- good water separation ability
- no foam formation
- neutral to nonferrous metals
- excellent viscosity/temperature behavior
- miscible with mineral oil
- disposal like mineral oil

## Typical Characteristics

Name	Method	Units	Value
Color	Visual	-	Light Yellow
Base	-	-	Polyalphaolefin
ISO Viscosity group	DIN 51519	-	220
Density @ 15°C	DIN 51757	kg/m <sup>3</sup>	860
Kinematic Viscosity @ 40°C	DIN 51562	mm <sup>2</sup> /s	213
Kinematic Viscosity @ 100°C	DIN 51562	mm <sup>2</sup> /s	26.3
Viscosity Index	DIN ISO 2909	-	157
Pour Point	DIN ISO 3016	°C	-39
Flash Point	DIN ISO 2592	°C	210
Copper Corrosion protection	ASTM D-130	-	1a
Steel Corrosion protection	DIN 51355	-	0 - A
FZG test (8.3/90) Scoring load stage	DIN 51354	-	>12

Subject to usual manufacturing tolerances.

## Additional Information

- Please observe the viscosity specified by the manufacturer.
- Good compatibility with conventional sealing materials.
- As OPTILEB GT 220 is miscible with mineral oils no large-scale cleaning and flushing is necessary during conversion.

## Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing condition.

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