

GEAR FOOD

GEAR FLUIDS FOR FOOD INDUSTRY

211010-211011-211012-211013-211014-211015-211016/08.10

Rev. 0

DESCRIPTION & APPLICATIONS

GEAR FOOD are made of highly refined white oils, under ISO grades from 150 to 680, especially formulated to be used in working equipments and machines in food industries.

GEAR FOOD are adapted to the lubrication of many type of gear boxes (helical, herringbone, bevel, endless screw gears).

The ISO grade 150 may be used to lubricate conveyor chains.

GEAR FOOD allow to avoid any risk of toxicity in case of casual contact between oil and foodstuffs.

ADVANTAGES

- All components of GEAR FOOD meet the requirements of the FDA (section 21 CFR 178.3850) for food contact.
- GEAR FOOD have antiwear, extreme pressure (EP), antirust and anti-oxidation properties.
- GEAR FOOD are odorless, colorless, savorless.
- High resistance to shearing (viscosity remains stable in service)
- GEAR FOOD are neutral in regard to joints.

PERFORMANCES

Satisfies to the following specifications:

NSF H1

USDA H1

ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal.

When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

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PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA				
ISO VG	-	-	150	220	320	460	680
Specific gravity at 15°C	kg/m ³	NFT 60101	870	870	870	868	866
Kinematic viscosity at 40°C	mm ² /s (cSt)	NFT 60100	150	220	320	460	680
Kinematic viscosity at 100°C	mm ² /s (cSt)	NFT 60100	20	24	40	55	65
Viscosity index	-	NFT 60136	150	135	175	185	165
Aniline Point	°C	NFM 07021	100	100	100	110	110
Antiwear and EP characteristics	-	FZG test	palier 11	palier 11	palier 11	palier 11	palier 11
4 Ball wear (1H, 40 Kg)	Ø mm	ASTM D2266	0,32	0,32	0,32	0,30	0,30
4 Ball weld load	kg	ASTM D2596	200	200	250	250	250
NSF certificate number	-	-	128622	128626	128625	128624	128623
Product number	208 L	-	211010	211011	211012	211013	211014
Product number	20 L	-	211015	211016	211017	-	-

The average values are given for information only.