

# ESCA HYDRO FOOD

HYDRAULIC OILS FOR  
FOOD INDUSTRY

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Rev. 2

## DESCRIPTION & APPLICATIONS

ESCA HYDRO FOOD hydraulic oils were developed for application in the food industry. These oils are available in ISO viscosity 32-68.

Especially suitable for hydraulic systems in food and pharmaceutical processing industries. Also could be used for lubrication of conveyor chains at ambient temperature.

ESCA HYDRO FOOD oils prevent the risk of incidental contact with food.

## ADVANTAGES

- HYDRO FOOD oils are approved by the USDA (H1 classification) for incidental contact with food. NSF approval certificates are available upon request.
- The ESCA FOOD HYDRO range is fragrance, color and tasteless.
- The high viscosity index (average 160) facilitates the cold start and ensures proper lubrication at high temperatures.
- ESCA HYDRO FOOD oils possess a high resistance to shearing, which guarantees a constant quality of the oil in use.
- The ESCA HYDRO FOOD have enhanced anti-wear, anti-rust and anti-oxidant properties as a full protection of the equipment.
- They are neutral to the seals.

## PERFORMANCES

Satisfies to the following specifications:

NSF H1  
USDA H1  
HALAL  
KOSHER

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## 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.

## PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA		
ISO VG	-	-	32	46	68
Specific gravity at 15°C	kg/m <sup>3</sup>	NFT 60101	857	857	863
Kinematic viscosity at 40°C	mm <sup>2</sup> /s (cSt)	NFT 60100	32	46	68
Kinematic viscosity at 100°C	mm <sup>2</sup> /s (cSt)	NFT 60100	7	9	10
Viscosity index	-	NFT 60136	140	180	174
Pour point	°C	NFT 60105	-15	-10	-10
Flash point	°C	ISO 2719	> 190	>190	>190
Copper corrosion	-	ASTM D 130	1a	1a	1a
4 Ball wear (1H, 40 Kg)	Ø mm	ASTM D2266	0,40	0,35	0,35

*The average values are given for information only.*