



APPLICATIONS

Eni Tilia SX 46 is a "food grade" high performance hydraulic and multipurpose fluid developed to meet the stringent requirements of food and pharmaceutical industries.

It is recommended for the lubrication of hydraulic systems and of pneumatic systems.

The excellent thermal stability makes **Eni Tilia SX 46** suitable for the lubrication of machines and components operating in environments at low temperatures (refrigerators, freezer, frozen food industry) or at high temperatures (sterilization systems, bottling industries, bread and pastry industries).

Eni Tilia SX 46 is based on synthetic oil (PAO) and antiwear, anticorrosive and antioxidant additives.

Eni Tilia SX 46 is produced in a plant certified ISO 21469.

It is formulated exclusively with additives listed in the FDA Group 21 CFR 178.3570 and it is free of: genetically modified materials, animal derived materials, main allergens substances like nut oils, soya oils and dairy industry derivatives.

CUSTOMER ADVANTAGES

- Meets the requirements of the HACCP (Hazard Analysis and Critical Control Point) System thanks to NSF H1 (incidental contact with food) registration
- Ensures long drain intervals thanks to outstanding thermal-oxidative stability
- Ensures effective protection and efficiency of all moving parts of hydraulic circuits thanks to robust antiwear additive system
- Prolongs lubricated component life thanks to excellent antirust and anticorrosion properties
- Compatible with the elastomers normally used in food machinery lubrication systems
- Suitable for applications operating in a wide range temperature thanks to very high viscosity index and outstanding cold behaviour





SPECIFICATIONS - APPROVALS

- NSF H1 - n° 151327
- ISO 11158 HV
- DIN 51524-3 HVLP
- Kosher
- Halal

CHARACTERISTICS

Properties	Method	Unit	Typical
Appearance	-	-	clear
Density at 15°C	ASTM D 1298	kg/m ³	835
Viscosity at 40°C	ASTM D 445	mm ² /s	46
Viscosity Index	ASTM D 2270	-	164
Flash point (PM)	ASTM D 93	°C	250
Pour point	ASTM D 97	°C	-50
4 Balls wear	ASTM D 4172	mm	0.35

WARNINGS

- **Eni Tilia SX 46** should be stored from other lubricants, chemical substances and foodstuffs and out of direct sunlight or other heat sources. Store between 0°C and +40°C.

