



# eni Tilia C

**eni Tilia C** are "food grade" multipurpose high performance fluids specially developed for use in rotary screw and air compressors used in the food and pharmaceutical industries.

**eni Tilia C** are based on synthetic bases with a special combination of antiwear, anticorrosive and EP additives.

## CHARACTERISTICS (TYPICAL FIGURES)

eni Tilia C		46	68	100
Appearance		Clear Liquid Yellowish	Clear Liquid Yellowish	Clear Liquid Yellowish
Viscosity at 40 °C	mm <sup>2</sup> /s	48	66	100
Viscosity at 100°C	mm <sup>2</sup> /s	8	10	13.9
Viscosity Index		139	137	140
Flash Point	°C	255	260	263
Pour Point	°C	-48	-45	-39
Density at 15 °C	kg/m <sup>3</sup>	830	832	835

## PROPERTIES AND PERFORMANCE

**eni Tilia C** are **NSF H1 approved** and **registered** lubricants recommended for use where an incidental contact with food can occur.

The use of **NSF H1** registered lubricants is the most effective solution to meet the request of the **HACCP** (Hazard Analysis and Critical Control Point) System.

**eni Tilia C** are formulated exclusively with additives listed in the **FDA Group 21 CFR 178.3570** and they are free of:

- genetically modified materials;
- main allergens substances like nut oil, soya oil, dairy industry derivatives;
- animal derived materials.

**eni Tilia C** have the following properties and characteristics:

- excellent oxidation stability;
- outstanding antifoam properties;
- very high viscosity index and thermal stability that result in minimum variation of viscosity with change in temperature;
- good antirust and anticorrosion properties ensuring effective protection of all moving parts of the circuits.

The excellent antiwear properties are demonstrated by the following test:

- 4 Ball Wear: < 0.35 mm.

**eni Tilia C** are compatible with the elastomers normally used in food machinery lubrication systems.



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## APPLICATIONS

**eni Tilia C** are recommended for the lubrication of all types of air compressors: screw and vane, reciprocating compressors used in the food, pharmaceutical and cosmetic industries.

**eni Tilia C 100** is suitable for the lubrication of vacuum pumps.

## SPECIFICATIONS

**eni Tilia C** are **NSF H1** registered and the package reports the NSF symbol and registration number:

**eni Tilia C 46:** n° 151331

**eni Tilia C 68:** n° 151332

**eni Tilia C 100:** n° 151333

**eni Tilia C** are “Kosher”, “Halal” certified.

**eni Tilia** meet the requirements of the following classifications:

<b>eni Tilia C</b>	<b>46</b>	<b>68</b>	<b>100</b>
<b>for reciprocating air compressors</b>			
ISO 6743/3 L-DAB	X	X	X
DIN 51506	X	X	X
<b>for rotary air compressors</b>			
ISO 6743/3 L-DAJ	X	X	X

**eni Tilia C** are produced in a plant certified **ISO 21469**.

## NOTE

All “food grade” lubricants 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.