



eni Ribes SX

eni Ribes SX are “food grade” high performance and EP gear lubricants specially developed to meet the stringent requirements of food and pharmaceutical industries.

eni Ribes SX are based on fully synthetic oil (PAO) and a special combination of antiwear, anticorrosive and EP additives.

CHARACTERISTICS (TYPICAL VALUES)

eni Ribes SX		150	220	320	460
Appearance		Colourless	Colourless	Colourless	Colourless
Viscosity at 40°C	mm ² /s	146.67	219	315.33	472
Viscosity at 100°C	mm ² /s	19.94	28.24	36.16	50.10
Viscosity Index	-	157	161	162	168
Flash Point	°C	245	245	250	255
Pour Point	°C	-40	-40	-35	-35
Density at 15°C	kg/m ³	840	840	840	840

PROPERTIES AND PERFORMANCES

eni Ribes SX 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 Ribes SX 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 Ribes SX have the following properties and characteristics:

- excellent performance in applications working under zero degree or where high temperature are present;
- high thermal and oxidation stability, permitting continuous use at operating temperatures as high as 120 °C;
- outstanding anti-oxidant and antirust properties;
- excellent cold behaviour;
- extended relubrication intervals;
- compatible with joints;
- odourless, colourless and insipid.

eni Ribes SX have outstanding antiwear and EP properties, as demonstrated by the following tests:

- FZG: pass the 12th stage level;
- 4 Ball EP: ~ 200 kg weld load;
- 4 Ball Wear: <0.4 mm.

eni Ribes SX are compatible with the elastomers normally used in food machinery lubrication systems.



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APPLICATIONS

eni Ribes SX are recommended for the lubrication of gearboxes, plains and roller bearings with high loads in the food processing industries.

Suitable for applications at very low and at high temperature.

eni Ribes SX 150 to **320** are also suitable for the lubrication of slideways and conveyor belts.

SPECIFICATIONS AND APPROVALS

eni Ribes SX are **NSF H1** registered and the package reports the NSF symbol and registration number:

eni Ribes SX 150: n° 151341

eni Ribes SX 220: n° 151342

eni Ribes SX 320: n° 151343

eni Ribes SX 460: n° 151344

eni Ribes SX are "Kosher", "Halal" certified.

eni Ribes SX meet the requirements of the following classifications/specifications:

- ISO 6743-6 CKD
- DIN 51517 CLP

eni Ribes SX 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.