



# eni Ribes

**eni Ribes** are “food grade” high performance fluids specially developed for the lubrication of gear used in the to meet the stringent requirements of food and pharmaceutical industries.

**eni Ribes** are based on a synthetic base (PAO), white pharmaceutical oil and fortified with a special combination of antiwear, anticorrosive and EP additives.

## CHARACTERISTICS (TYPICAL VALUES)

eni Ribes		150	220	320	460	680
Appearance		Colourless	Colourless	Colourless	Colourless	Colourless
Viscosity at 40°C	mm <sup>2</sup> /s	146.5	219.5	329.7	458.7	688.67
Viscosity at 100°C	mm <sup>2</sup> /s	18.10	23.80	33.5	42.57	56.46
Viscosity Index	-	141	135	143	144	144
Flash Point	°C	230	235	240	240	240
Pour Point	°C	-18	-22	-25	-25	-25
Density at 15°C	Kg/m <sup>3</sup>	870	870	870	868	866

## PROPERTIES AND PERFORMANCES

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

- excellent performance in applications working under zero degree or where high temperature are present;
- outstanding anti-oxidant and antirust properties;
- good cold behaviour;
- extended relubrication intervals;
- compatible with joints;
- odourless, colourless and insipid.

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

- FZG: pass the 12<sup>th</sup> stage level;
- 4 Ball Wear: for ISO VG > 150 < 0.32 mm.
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**eni Ribes** are compatible with the elastomers normally used in food machinery lubrication systems.



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## APPLICATIONS

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

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

## SPECIFICATIONS AND APPROVALS

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

**eni Ribes 150:** n° 151337

**eni Ribes 220:** n° 151338

**eni Ribes 320:** n° 151339

**eni Ribes 460:** n° 151340

**eni Ribes 680:** n° 151330

**eni Ribes** are “Kosher”, “Halal” certified.

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

- ISO 6743/6 CKD
- DIN 51517-3 CLP

**eni Ribes** 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.