

NEVASTANE SY



Food Industry

Synthetic (PAG) gear oils, suitable for incidental food contact.

APPLICATIONS

- **NEVASTANE SY** oils are adapted for the lubrication of numerous applications in the food and beverage industry with high loads, high temperatures and in presence of water.
- **NEVASTANE SY** oils are specially recommended for the lubrication of worm gears and reducers, high temperature oven chains and bottling equipments.
- **NEVASTANE SY** formulation, 100% synthetic, based on polyglycol and high performance additives, provides outstanding extreme-pressure, anti-wear and anti-oxidant properties.

SPECIFICATIONS

- The formulation of **NEVASTANE SY** oils complies with the FDA chapter 21 CFR, 178.3570.
- **NEVASTANE SY** oils are **NSF H1** registered:
NEVASTANE SY 220: No 133737 NEVASTANE SY 320: No 133738 NEVASTANE SY 460: No 133739
- **NEVASTANE SY** oils are biostable products, they do not promote the development of bacteria and mould.

ADVANTAGES

- **NEVASTANE SY** oils are recommended for use where incidental contact with food may occur. Using maintenance lubricants which have been registered H1 with NSF minimizes your critical control points as required by HACCP.
- Excellent thermal stability.
- Excellent resistance to water.
- Superior extreme pressure, anti-oxidation and anti-wear characteristics.

TYPICAL CHARACTERISTICS	METHODS	UNITS	NEVASTANE SY		
			220	320	460
Appearance	Visual	-	Yellow liquid (may be slightly hazy)		
Density @ 15°C	ISO 12185	-	1057	1062	1067
Kinematic viscosity @ 40 °C	ISO 3104	mm ² /s	220	320	460
Kinematic viscosity @ 100 °C	ISO 3104	mm ² /s	41.9	60.6	83.0
Viscosity Index (VI)	ISO 3104	-	242	252	262
Flash point C.O.C.	ISO 2592	°C	> 275	> 275	> 275
Fire point C.O.C	ISO 2592	°C	> 240	> 240	> 240
Pour point	ISO 3016	°C	< -39	< -35	< -30
4 ball test - wear (scar diameter)	ASTM D 4172	mm	0.33	0.33	0.33
4 ball test - EP weld load	ASTM D 2783	daN	250	250	250
FZG Test (A/8, 3/90°C) - Fail stage	DIN 51354-2	-	12	12	12
FZG Micropitting - Fail stage	FVA 54/I-IV	-	10	10	10

Above characteristics are mean values given as an information.

Recommendations:

- Store the product at ambient temperature
- Minimize the periods of exposure to temperatures above 35°C
- **Shelf life: 5 years** from date of manufacture (unopened)

Precautions:

- NEVASTANE SY oils, based on PAG, are not miscible with other mineral and synthetic (PAO) oils

TOTAL LUBRIFIANTS
Industrie & Spécialités
02-08-2010 (supersedes 24-12-2009)
NEVASTANE SY
1/1



This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.
A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded from www.quick-fds.com.