TECHNICAL DATA SHEET

02/01/2026 Ref. 00000000

# Nevastane SY

## DESCRIPTION

- Synthetic (PAG) gear oils, suitable for incidental food contact.
- Nevastane SY is formulated without MOAH and MOSH, ensuring food safety in compliance with Commission Recommendation (EU) 2017/84.

## 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 equipment.
- Nevastane SY formulation, 100% synthetic, based on polyglycol and high-performance additives, provides outstanding extreme-pressure, anti-wear, and antioxidant 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 mold.

## 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

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 downloaded at www.quick-fds.com.

**TotalEnergies Lubrifiants**
SA 552 006 454 RCS Nanterre - France

## RECOMMENDATIONS

- Store the product at ambient temperatures
- Minimize the periods of exposure to temperatures above 35°C, to daylight, to dust, and to humidity
- Shelf life: 5 years from date of manufacture (unopened)
- Nevastane SY oils, based on PAG, are not miscible with other mineral and synthetic (PAO) oils

## TYPICAL CHARACTERISTICS

| PROPERTIES | Nevastane SY | | | UNITS | STANDARDS |
|---|---|---|---|---|---|
| | 220 | 320 | 460 | | |
| Appearance | Clear and bright liquid | | | - | Visual |
| Density at 15°C | 1057 | 1062 | 1067 | - | ISO 12185 |
| Kinematic viscosity at 40°C | 220 | 320 | 460 | $mm^2/s$ | ISO 3104 |
| Kinematic viscosity at 100°C | 41.9 | 60.6 | 83.0 | $mm^2/s$ | ISO 3104 |
| Viscosity index | 242 | 252 | 262 | - | ISO 3104 |
| Flash point C.O.C | > 240 | > 240 | > 240 | °C | ISO 2592 |
| Pour point | < -39 | < -35 | < -30 | °C | ISO 3016 |
| 4 ball test - wear (scar diameter) | 0.33 | 0.33 | 0.33 | Mm | ASTM D 4172 |
| 4 ball test - EP weld load | 250 | 250 | 250 | daN | ASTM D 2783 |
| FZG Test (A/8, 3/90°C) - Fail stage | > 12 | > 12 | > 12 | - | DIN 51354-2 |
| FZG Micropitting - Fail stage | 10 | 10 | 10 | - | FVA 54/I-IV |

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 downloaded at www.quick-fds.com.