

# NEVASTANE XSH (150 to 460)



Food industry

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

## APPLICATIONS

- **NEVASTANE XSH** oils (grades 150 to 460) are recommended for the lubrication of gear reducers, plains and roller bearings with high loads in the food processing industries.
- **NEVASTANE XSH 150 to 460** oils are also suitable for the lubrication of numerous applications in the food industry such as chains and conveyor belts.
- **NEVASTANE XSH** formulation, 100% synthetic, based on PAO, provides superior protection and longer service life to the lubricated equipments.

## SPECIFICATIONS

- The formulation of **NEVASTANE XSH** oils complies with the FDA chapter 21 CFR, 178.3570.
- **NEVASTANE XSH** oils are **NSF H1** registered:  
NEVASTANE XSH 150: No 147305      NEVASTANE XSH 220: No 147302  
NEVASTANE XSH 320: No 147303      NEVASTANE XSH 460: No 147304
- **NEVASTANE XSH** oils are **Kosher, Halal** and **ISO 21469** certified.
- International specification: ISO 12925-1 CKD.
- DIN 51517-3 CLP
- DIN 51354-2 - FZG A/8, 3/90°C - Fail stage > 12
- ASTM D 4172 - 4 ball test - wear (scar diameter) - 0.3 mm.

## ADVANTAGES

- **NEVASTANE XSH** 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.
- 100% synthetic formulation.
- Wide temperature range.
- Significant extensions of oil drain intervals.

| TYPICAL CHARACTERISTICS      | METHODS   | UNITS              | NEVASTANE XSH           |      |      |      |
|------------------------------|-----------|--------------------|-------------------------|------|------|------|
|                              |           |                    | 150                     | 220  | 320  | 460  |
| Appearance                   | Visual    | -                  | clear and bright liquid |      |      |      |
| Density @ 15°C               | ISO 12185 | -                  | 840                     | 842  | 845  | 848  |
| Kinematic viscosity @ 40 °C  | ISO 3104  | mm <sup>2</sup> /s | 150                     | 220  | 320  | 460  |
| Kinematic viscosity @ 100 °C | ISO 3104  | mm <sup>2</sup> /s | 19,0                    | 26,0 | 36,0 | 47,0 |
| Viscosity Index (VI)         | ISO 3104  | -                  | 152                     | 156  | 159  | 161  |
| Flash point C.O.C.           | ISO 2592  | °C                 | 264                     | 272  | 276  | 272  |
| Pour point                   | ISO 3016  | °C                 | -51                     | -45  | -42  | -42  |

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).

TOTAL LUBRIFIANTS  
Industrie & Spécialités  
8-02-2013  
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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](http://www.quick-fds.com).