



Foodmax AW PAO 22-100

Synthetic oils for the food industry

Description

Foodmax AW PAO is formulated using specially selected synthetic base stocks in combination with the latest additive technology. Foodmax AW PAO is non toxic.

Foodmax AW PAO is suitable for applications where incidental contact with food or raw materials during the production is possible. The whole range is NSF approved.

Due to its great performance characteristics and carefully chosen additives, Foodmax AW PAO oils can be used in most applications in the manufacturing process in the food production and processing industry.

Applications

Hydraulic oil

Due to their excellent anti wear properties, they are used as hydraulic fluid for both power and motion transfer in machinery operated close to the food production process.

Besides the neutral character to health they have the following benefits:

- Due to the high viscosity index, the high and low temperature behavior is excellent. Foodmax AW PAO shows rather flat viscosity-temperature curves, which results in a smooth operation on both the high temperature and the low temperature side
- The excellent low temperature characteristics makes Foodmax AW PAO very suitable for hydraulic

equipment operated in for example cooling and freezing houses

- Low pour point, which allows operation at temperatures below $< 0^{\circ}\text{C}$, and do not create any problems during the start-up after a few days stop
- High stability to viscosity loss due to shearing, as Foodmax AW PAO oils are formulated with specially refined base stocks of a high purity level
- Outstanding antifoam characteristics and good de-aeration
- A very good water demulsifying capacity
- Wide range of viscosities for practically all the hydraulic requirements

General lubrication

The Foodmax AW PAO lubricants can be used for all sorts of general lubrication. For example for bearings, slides, chains and small mechanisms which need a high performance oil providing a clean and non contaminating lubrication. Easy application by either automatic or by dropping, spraying, wick or manual.

Anticorrosive protection

Foodmax AW PAO can be used as light anticorrosive protector of metallic material which might be in contact with food products such as wire for canned meat sealing, conveyor or slides in the manufacturing equipment, handling of metallic cans, etc.



Typical performance data

| | Test method | 22 | 32 | 46 | 68 | 100 |
|--------------------------|-------------|-------|-------|-------|-------|-------|
| Viscosity grade | ISO 3448 | 22 | 32 | 46 | 68 | 100 |
| Viscosity @ 40 °C, cSt | ISO 3104 | 22 | 31.3 | 48.1 | 68 | 101 |
| Viscosity @ 100 °C, cSt | ISO 3104 | 4.6 | 6.2 | 8.42 | 10.9 | 14.8 |
| Viscosity index, min | ISO 2909 | 127 | 141 | 143 | 140 | 144 |
| Density @ 15 °C | | 0.828 | 0.830 | 0.840 | 0.840 | 0.840 |
| Pour Point, °C, min | | <-60 | <-60 | <-57 | <-58 | <-55 |
| Flash Point, °C, min | ISO 2592 | 200 | 222 | 248 | 258 | 268 |
| FZG test A/8.3/90, class | | - | - | 11/12 | 12 | 12 |

All performance data on this Technical Data Sheet are indicative only and can vary during production

Matrix Specialty Lubricants