

FOODMAX AW PAO 46

Product code: 264001101

Synthetic oils for the food industry

This product is formulated using specially selected synthetic base stocks in combination with the latest additive technology. This product is essentially nontoxic, making it suitable for applications where incidental contact with food or raw materials during the production is possible. Thanks to its great performance characteristics and versatility, the product 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:

- Thanks 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 $< 0^{\circ}\text{C}$, therefore highly recommended for equipment that operates under start-stop conditions
- High stability to viscosity loss due to shearing
- Outstanding anti foam characteristics and good de-aeration
- A very good water demulsifying capacity
- Wide range of viscosities for practically all hydraulic requirements

General lubrication

These 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.

Anti-corrosive protection

It can be used as light anti-corrosive protector of metallic material which might be in contact with food products such as wire for canned meat sealing, conveyor or slides in e.g. manufacturing equipment and handling of metallic cans.

Performance criteria

DIN 51524 HVLP

Typical Performance Data


| Typical | Test Method | Value |
|--|-------------|-----------------------|
| Viscosity Grade | ISO 3448 | 46 |
| Color | | Transparent colorless |
| Density @ 15 °C | ASTM-D1298 | 0.82 |
| Viscosity @ 40 °C, cSt | ASTM-D445 | 42-50 |
| Viscosity @ 100 °C, cSt | ASTM-D445 | 7-8.5 |
| Viscosity Index | ASTM-D2270 | >135 |
| Pour Point, °C | ASTM-D97 | < -55 |
| Flash Point, °C | ASTM-D92 | >265 |
| Copper Corrosion | ASTM D4048 | 1a |
| Emulsion characteristics @ 54°C oil-water-emulsion/minutes | ASTM D1401 | 40/37/3 |
| Rust preventing characteristics (24h), procedure A | | pass |
| Rust preventing characteristics (24h), procedure B | | pass |
| NSF | - | 151302 |
| Kosher | - | yes |
| Halal | - | yes |

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

Typical Performance Data

| Typical | Test Method | Value |
|-------------------------|-------------|-------|
| Viscosity Grade | ISO 3448 | 46 |
| Density @ 15 °C | ASTM-D1298 | 0.83 |
| Viscosity @ 40 °C, cSt | ASTM-D445 | 42-50 |
| Viscosity @ 100 °C, cSt | ASTM-D445 | 7.9 |
| Viscosity Index | ASTM-D2270 | >135 |
| Pour Point, °C | ASTM-D97 | < -55 |
| Flash Point, °C | ASTM-D92 | 265 |

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