



## Foodmax Chain HT-X

### High temperature food grade chain oil

#### Description

Foodmax Chain HT-X is based on highly polar biodegradable ester base oil and is inhibited against oxidation to give a long wet film life at high temperatures. The highly polar molecules strongly adhere to the surface and withstand high temperatures, at the same time separating the moving parts due to its highly viscous lubricating film maintained at these high temperatures.

#### Applications

Foodmax Chain HT-X is designed for the lubrication of conveyor chains and bearings running continuously at high temperatures, up to 280 °C, and short periods up to 300 °C, on textile stenters, drying machines, bakery ovens and on paint stove chains. Foodmax Chain HT-X

possesses outstanding anti wear capacity and will reduce wear on chains significantly like no other.

#### Benefits

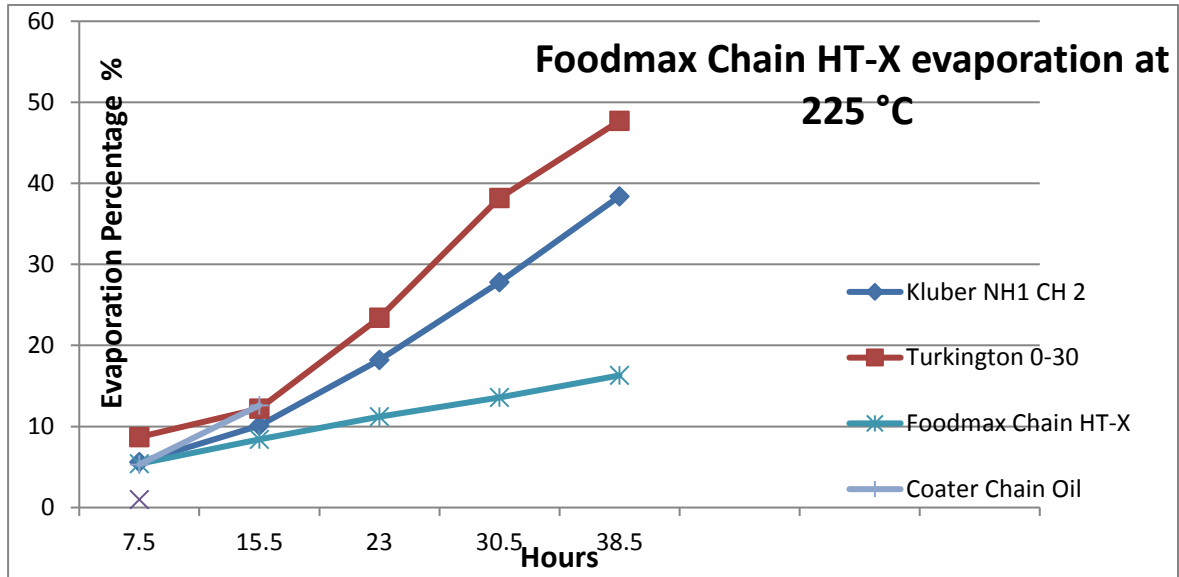
- Long fluid life at high temperatures, which provides maximum lubricant economy
- Does not form hard carbon deposits
- Good load and anti-wear properties
- Miscible with most ester based fluids
- Highly polarised molecules providing excellent lubricity
- Excellent thermal stability
- Peak temperature of 300 °C

#### Typical performance data

|                                     | Test method   | HT-X         | HT-X 220  |
|-------------------------------------|---------------|--------------|-----------|
| Appearance                          |               | Clear liquid |           |
| Density @ 20 °C, g/ml               |               | 0.940        | 0.940     |
| Viscosity @ 40 °C, cSt              | ASTM D445     | 135-165      | 200-240   |
| Viscosity Index                     |               | 185          | 180       |
| Flash point, °C                     | ASTM D92      | 275          | >285      |
| Pour point, °C                      | ASTM D92      | -32          | -32       |
| Auto ignition temperature, °C       | ASTM D2155-66 | >350         | >360      |
| Weight loss after 1 hr. @ 250 °C, % | NOACK         | <2.0         | <1.8      |
| 4-ball wear test                    | IP239         |              |           |
| • Welding load, kg                  |               | >200         | >200      |
| • Wear scar diam, 40 kg, 1 hr, mm   |               | 0.30         | 0.30      |
| Working temperatures, °C            |               | -10 – 280    | -10 – 290 |

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

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