



Case Study

Wafer And Waffle Ovens

Application

Our customer, a market leader in the manufacturer of ice cream cones and wafers were looking for a cost reduction on their lubricant use without compromising their production times.

They required a constant high temperature capacity grease with NSF H1 registration for the bearings and locks on their wafer ovens.



Application Requirement

- Outstanding lubricant at low speeds
- Resistant to high temperatures (200-240°C)
- NSF H1 registered
- Competitively priced
- Resistant to washout
- Reliable supply
- Competent technical support

Our technical team proposed the following solution.

IKV FLUOR MPA 2H is a non-flammable PFPE grease developed from a fluorinated oil, tetrafluoroethylene telomers and anticorrosion additives. This grease provides an extraordinary combination of high performance properties which include :

- Outstanding oxidation resistance
- Excellent high temperature stability
- Excellent lubrication properties
- Compatibility with metals, plastics and elastomers

IKV FLUOR MPA 2H is suitable for the lubrication of all bearings, or components subjected to extreme temperatures or to aggressive environments where conventional lubricants would not cope.

It is especially designed for the lubrication of ovens, drying, stabilisation or polymerisation ovens in the food, glass, textile, plastic film, paint, chemical, nuclear, robotic and packaging industries.



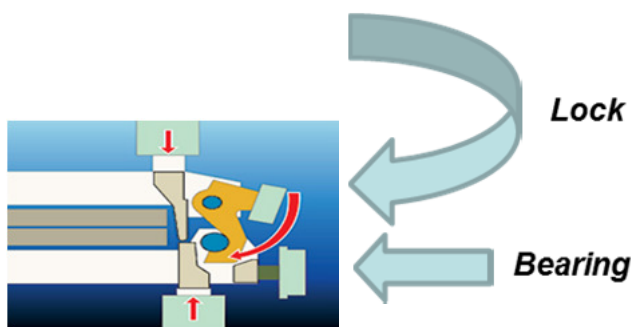


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Lub point



IKV-FLUOR MPA 2H is a PFPE / PTFE grease that is based upon a very high viscosity, extremely thermally stable PFPE oil, thickened with high grade PTFE and with the addition of a special corrosion inhibitor. The product is totally non-toxic and includes only FDA approved ingredients as required for NSF H1 approval for use in the food industry.

The long life and exceptional stability of these greases allows maximum life with long periods between lubrication intervals.

IKV-FLUOR MPA 2H can often extend re-lubrication intervals over competitors PFPE based greases and is available in a wide range of packs and sizes.

The most popular pack is the 800g grease cartridge but 600g cartridges, 500g tubs, 1kg tubs, 10kg kegs, 25kg kegs, 40kg kegs are also available.

Our Perfluoropolyether (PFPE's) greases possess a unique combination of properties including:

NON FLAMMABLE - will not support combustion

THERMALLY STABLE - very wide operating temperature range of -90 to 300°C .

CHEMICALLY INERT – resistant to chemicals, solvents, acids & alkalis.

BIOLOGICALLY INERT – non-toxic and will not support biological growth.

COMPATIBLE – with a range of materials & are inert to most rubbers, plastics, metals as well as liquid and gaseous oxygen.

LOW CO-EFFICIENT OF FRICTION – excellent wear prevention and high film strength.

LOW EVAPORATION RATE – even at high temperatures making them ideal in high vacuum applications.

FLEXIBILITY - for applications where their thermal stability and chemical resistance make other lubricants unusable.

NON-MIGRATORY - our PFPE products do not contain silicones and are non-migratory.

FOOD APPROVED – many of our PFPE products are NSF H1 approved for use in the food industry.

