NEW LUBRICATION FOR JESA'S BEARINGS

# DRY POLYMER-BASED LUBRICANT (DPBL)

## FUNCTIONS AND USES

The DPBL Solid Oil solution proposed by Jesa is a polymer material saturated with synthetic oil. After being heated the coumpound hardens and becomes a solid matrix structure which fill all the free space available inside the bearing around the rolling elements and the cage.

This high fill rate gives to the JESA bearings an excellent protection against humidity and dust while providing a very high level of micro-lubrication thanks to the amount of oil coming from the porous matrix.

This solution is particularly recommended for bearings operating in an aggressive environment or where the re-lubrication is difficult due to accessibility.

The compound is also InS-H1 certified for use in the food industry

*Figure1: Cross-section illustration of bearings lubricated with Solid Oil*

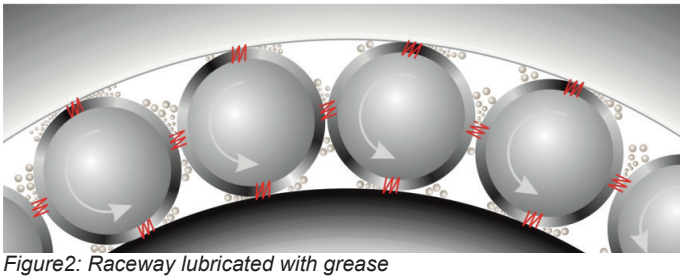

*Figure2: Raceway lubricated with grease*

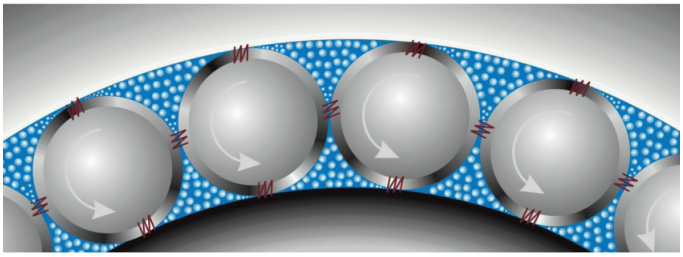

*Figure3: Raceway lubricated with DPBL Solid Oil*

## SOLUTION ADVANTAGES

- Very high level of sealing
- Elimination of lubrication leakage
- Wash-out resistance
- High corrosion protection
- Continuous and efficient micro-lubrication
- Lifetime lubricated
- Reduced maintenance costs
- Extended lifetime in agressive environnements
- InS-H1 cerfified

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Color | Blue |
| Food industry certification | InS-H1 |
| Operating Temperature | From -40°C to +80°C |
| Speed factor<br>Ball bearings: n.dm | Max. 120'000 mm/min |
| Chemical resistance | Resistant to acids, lyes and most solvents |

## APPLICATIONS

- Food and beverage industry
- Pharmaceutical and medical industry
- Automotive and cycle industry
- Textile industry
- Material handling
- Agricultural equipments

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