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Oil and Gas Institute

Lubricating grease

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The subject of the invention is lubricating grease for use in food industry machinery and facilities. Lubricants used in food processing are a specialized product group distinguished by specific quality requirements. Food manufacturers generally refer to the United States legislation which determines detailed regulations on rules for selection of lubricant components expected to make only incidental contact with the foodstuff (FDA specification 178.3570 for lubricants with incidental food contact). The applied components should ensure basic grease performance characteristics, being at the same time selected, non-toxic compounds, accepted on the international market.

Lubricating grease according to the invention is designed for use in food processing equipment operating under moderate



loads and the temperature range of -20 to $+150^{\circ}\text{C}$.

The grease is characterized by its high mechanical stability (shear stability), high dropping point (2650°C), resistance to water washout, provides good protection against bearing corrosion. The composition of the grease meets the requirements of the USDA for H1 group products, i.e. lubricants approved for incidental contact with food.

The product is designed to use in friction assembly of machinery for the food industry, in equipment for processing of fruit, confectionery, dairy products, refrigeration engineering, etc.



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