

New Grease Replacement System for Midterm Lubrication for Traction Motor Bearings

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The “interim grease supply” method has been adopted for some types of the induction traction motors, as one of the general solutions for elongation of the lifetime of the grease. However, the conventional way of planning the interim grease supply requires to leave some empty portion to refill additional grease due to the limit of the space. Accordingly, insufficient lubrication is sometimes caused in the initial stage of the motor operations. To solve such problem, a new device has been designed which enables to fill the grease without providing an empty portion in the grease pocket by replacing the deteriorated grease with the less deteriorated one inside the grease pocket.