電動コンプレッサー用軸受

Bearing for electric compressor

EV ICE HV/PHV FCV CN

開発の狙い Aims of Development

ライフサイクル全体での走行性能と快適性の向上への貢献

Contribution to improving driving performance and comfort satisfaction of vehicle throughout the life cycle

車輌熱管理システムの信頼性と省電高効率への貢献

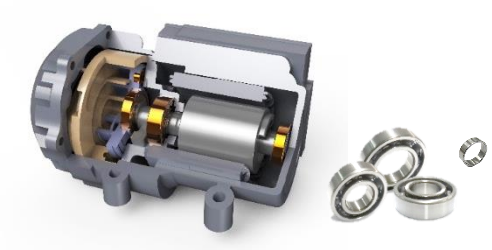
Contribution to improving the reliability and power efficiency of vehicle thermal management system

製品の概要と特長（構造・原理） Products Overview and Features (Structure and Principle)

機能
Function

車室内と車載電子機器の熱マネジメント に使われる冷媒の圧縮

Pressurize the refrigerant using for thermal management of the cabin and on-board electronics

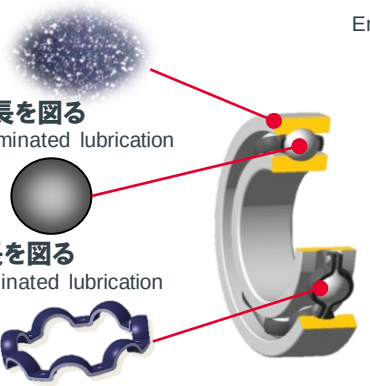


特長
Features

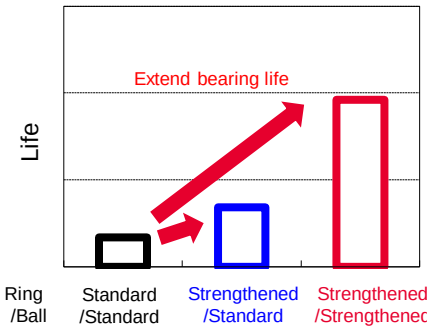
①リングの強化
Strengthening of ring
- **異物潤滑環境下での寿命延長を図る**
- Extending bearing life under contaminated lubrication

②玉の強化
Strengthening of ball
- **異物潤滑環境下での寿命延長を図る**
- Extending bearing life under contaminated lubrication

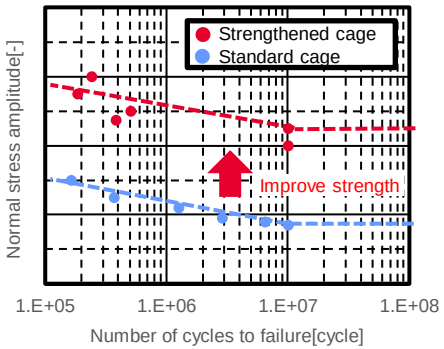
③保持器の強化
Strengthening of cage
- **偏心運転時の応力に対する保持器強度向上**
- Improving cage strength against stress under eccentric rotation



異物混入試験結果
Endurance test results under contaminated lubrication



保持器疲労試験結果
Cage fatigue test results



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