

链条耐磨损寿命可靠性评定方法

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摘要: 设计了链条耐磨损寿命可靠性评价方法,该方法可以根据具体链传动形式,灵活地调整抽样方案,从而满足不同主机产品可靠性考核的需求。研究表明,以链条在不同使用寿命下的可靠度或不同极限磨损伸长率的可靠度为评定目标,评定成本保持不变,同时可以获得更多的可靠性信息。The limiting wear tensibility rate greatly influences the operational performance of chains. It is an important measure to establish the assessment criterion to ensure the reliable operation of mechanical products. Based on the theories of statistics, an assessment method of chain wear-resistant reliability was proposed, which could easily adjust the sampling scheme according to the types of chain transmission, so as to satisfy the needs of assessing the reliability of different mechanical products. The research shows that by using the reliability based on operational life or limiting wear tensibility rate as assessment index, assessing cost is not changed, and more information on reliability is obtained.

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