

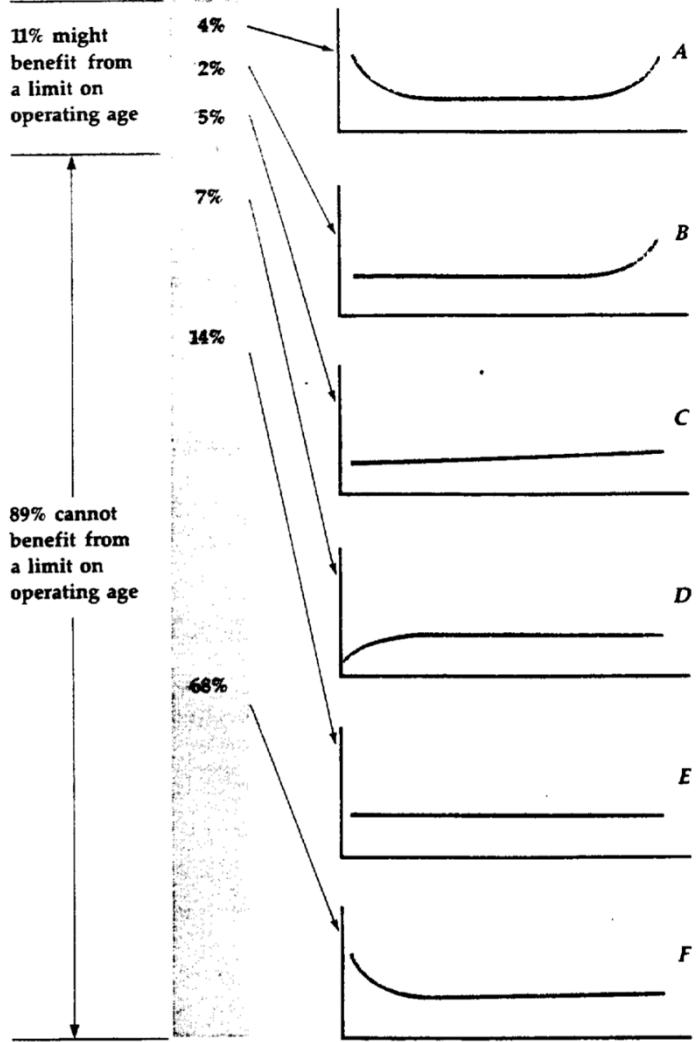


ASQ CRE Prep course

Lesson VI. A. 2. a.

Maintenance Strategies

RCM



Nowlan & Heap

RCM Information

- **What are the functions & expectations of the asset?**
- **How does the asset fail?**
- **What causes each functional failure?**
- **What happens when each failure occurs?**
- **In what way does each failure matter?**
- **What can be done to predict or prevent each failure?**
- **What can be done if prevention is not possible?**



RCM Steps

- 1. Design for maintainability**
- 2. Perform functional FMEAs**
- 3. Categorize the failure distributions**
- 4. Determine maintenance task intervals**
- 5. Package all tasks into a plan**
- 6. Optimize results with data collection**
- 7. Analyze results for potential corrective action**



What are the 3
generations of
maintenance?