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Autore	Nakagawara Van B
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## Sommario/riassunto

The visual inspection and nondestructive inspection and testing (NDI/NDT) are performed routinely to ensure that aircraft are maintained in safe operating condition. Inspectors must make critical judgments about the condition of aircraft and aircraft components using their eyes, basic visual aids (magnifiers, mirrors, and flashlights), and complicated NDI/NDT techniques to detect anomalies. Failure to detect observable defects has been implicated in several aviation accidents. This study examines the medical surveillance programs employed by aircraft maintenance facilities in the United States, including specific vision standards and tests used for inspection personnel.

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