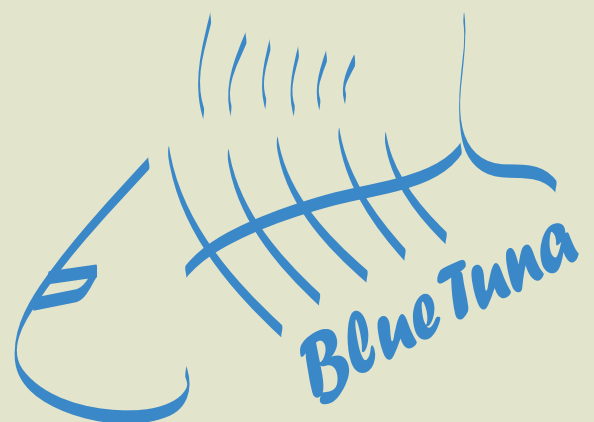




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FOD & Accident Rates

Definitions

Foreign Object Debris

Any alien substance or article that invades any component of the aircraft and which causes or has potential to cause damage to aircraft, persons, equipment, or otherwise diminish safety.

Foreign Object Damage

Any damage that has occurred to aircraft, vehicle, or persons, which can be attributed to an alien substance or article (FO) that has invaded any component of, on, or in an aircraft.

1

As the number of departures increases, the number of accidents will increase . . . even though the rate of accidents may fall.

2

The lack of basic FOD awareness and training will result in the increase of FOD incidents.

3

The costs of FOD incidents is absorbed by your company and the customers who fly what you repair.

4

FOD is a human based issue. Technology will not adequately reduce the incident rate. It takes human involvement to solve this problem.



Intake doors closed to protect against FOD.

The Dirty Dozen

12 human factors that lead to maintenance errors have been identified, they are entitled “The Dirty Dozen”.

These human factors are typically realized in an out of balance condition where there is too much or not enough.

Lack of

Communication
Resources
Assertiveness
Awareness
Teamwork
Knowledge

Abundance of

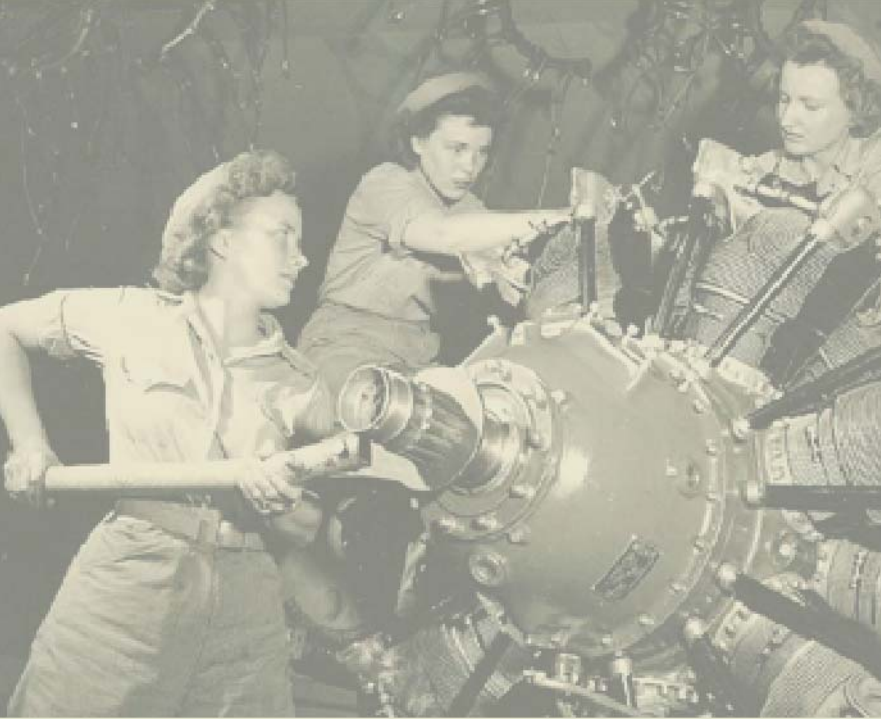
Pressure
Stress
Norms
Fatigue
Distraction
Complacency

Note: Since human behavior and actions are at the root of the FOD problem, it is extremely important to determine how the Dirty Dozen plays a role where you work.

For example pressure . . . we all probably work under some pressure. But too much pressure can force mistakes. These mistakes may have drastic consequences. Knowing this can be empowering if we take steps to manage the factors at work.

NAS attributes most FODamage to the following factors.

Poor Housekeeping
Improper Maintenance
Inadequate Operational Practices
Facilities Deterioration



The Human Side of FOD is countered by

1. Creation of Awareness
2. Training
3. Solid Operational Practices
4. The Practice of Good Habits

Clean As You Go may be a program, a procedure or a process.

Clean As You Go may be a required work ethic.

Clean As You Go *is* a attitude about work and the environment in which you are performing tasks.



Procedures are designed to provide guidance in the performance of specific tasks. Procedures should take into consideration the imminent danger of FOD.

THINK FOD

