



MACHINERY TEST, OVERHAUL AND REPAIR FACILITIES.

Many test-cells have very poor vibration diagnostic tools available.

Dynatrend have installed systems and applications for test cells with documented saving of more than 50% of manhours and fuel costs as vibration reject engines are faster turned around due to efficient auto diagnostic information and failure mode visualization.

Analysis systems, advice and auto reporting can be tailor made to each machine type or test bed.



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Typical functionality

- Instant mapping and reporting of vibration,
- Visualization of the machine problem section
- Machine resonances,
- Component rub,
- Shaft rub,
- Blade rubs,
- Blade resonances,
- Component fretting,
- Flow instability, stalling, and more.
- Bearing housing and support misalignments.
- Bearing misalignments
- Rotor stacking resonances and balancing effects
- Trim balance weight feedback.
- and more

Benefits

- Strengthening the abilities of the test cell staff understandings by providing detailed and instant mechanical condition information.
- Document discrepancies by auto-diagnostics and reporting
- Get auto proposals for where in the machine the problem is and what type of problem.
- Detailed mimics and logs will hold the operators aware of how the machines are braking in, and how they settle after internal seal bedding in.

Return of investment.

- Freeing manpower due to increased understanding of problems
- Reducing fuel consumption due to reduced reject rate.
- Shorter turn-over time for rectifying a vibration issue.
- Increasing the skill of operators and mechanics when using correlations from the system.
- Reducing the risk of running into damaging conditions causing material and component failure.



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