

During the second day the issues listed in the slide will be covered in some detail. To complete the Introductory course, we need to touch on the full range of topics affecting RE reliability and maintenance. This allows those people only doing the Introduction days to get exposed to all the major factors they need to be aware of in order to improve their plant and equipment.

Those people going onto the Advanced Course will get greater detail in those topics again covered in the Advanced two days.



These drawings show what you can do to include the effects of the key and keyway when balancing.



This slide proves basic information on the physics of vibration analysis. We use transducers mounted to an item of equipment to detect several parameters that provide information on the vibrations travelling through it. From the movement (displacement), the rate of movement (velocity), the rate of change of movement (acceleration) and the time during which they happen (phase), we can identify particular 'signatures' that tell us what is occurring to its various parts.

Sample from BIN95's Rotating Equipment Reliability Introductory course, day 2.





This is an overview of the FMEA team review process. It is a logical progression through each assembly and sub-assembly in an item of plant asking the question, "What can go wrong in its operation?" The team of subject matter experts identify the causes and then agree to the operating and maintenance actions to be performed to prevent a failure. These actions become maintenance and operating tasks.