

BEARING RELIABILITY IN MOTORS

ONE DAY TRAINING COURSE

COURSE OVERVIEW

Since electric motors are used in almost all industrial segments in large numbers and any failure in electric motors will not only cause extra maintenance cost but also will impact the overall production levels at larger scale.

Therefore it is most important for engineering and maintenance professionals to learn about electric motors and their repair methodologies to improve their reliability at their plant sites.

COURSE OVERVIEW

In this session we will discuss about motor types, mechanisms, applications, components, selection of right bearings with right clearances, correct mounting and dismounting procedures and tools, balancing & vibration analysis, lubrication of the bearings in motors and other components as well as about failure analysis of the motor bearings and several other parts. This session will help participants to be more skillful in motor maintenance and managing their performance.

ONE DAY | 0900 - 1700 HRS

USD 1,500.0 / SESSION

15 PARTICIPANTS

COURSE CONTENT

Motor parts overview | Predictive maintenance | Electrical motor tests | Motor bearings | Locating / nonlocating bearing Thermal growth | Horizontal arrangement Bearing arrangements: Belt drive motors Vertical electric motors | Variable speed motors | Why bearings fail in motors | Wear path patterns | Dismounting methods | Hydraulic puller | Checking shaft integrity | Seat runout & tolerance | Radial & axial clearance | Lubrication

WHO SHOULD ATTEND

Application engineer | Condition monitoring engineer | Technicians | Electrical engineers | Supervisor | Engineering draftsmen | Mechanical maintenance engineer | Lubrication fitter | Operations manager | Planning manager | Quality engineer | Reliability engineer | Vibration inspectors