

## TYPICAL AC MOTOR WINDING FAILURES



**#1 Winding Single Phased  
(Y Connected)**



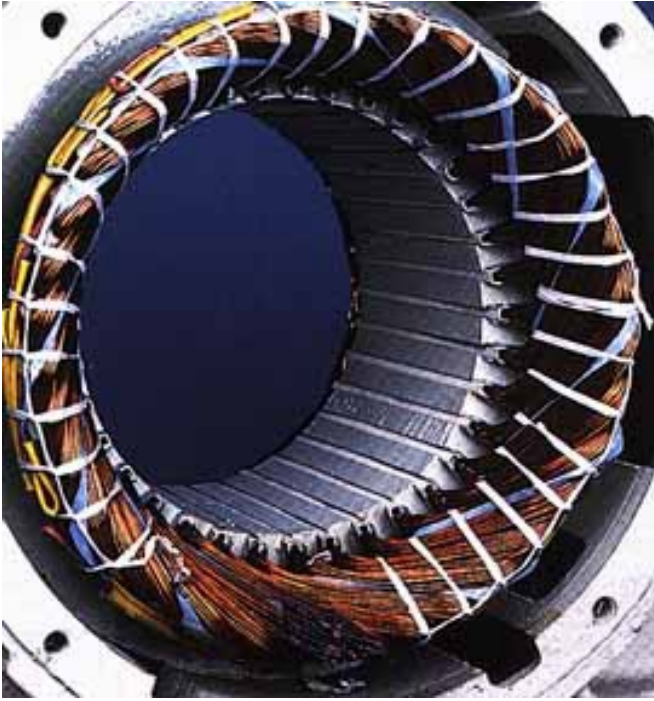
**#2 Winding Single Phased  
(Delta Connection)**



**#3 Winding Shorted  
Phase to Phase**



**#4 Winding Shorted  
Turn To Turn**



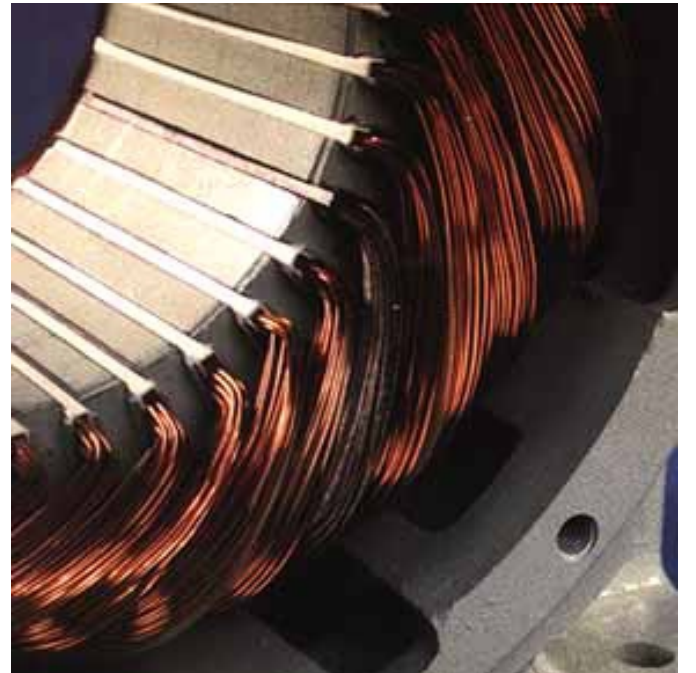
**#5 Shorted Connection**



**#6 Winding Grounded In Slot**



**#7 Winding Grounded At Edge Of Slot**



**#8 Winding With Shorted Coil**



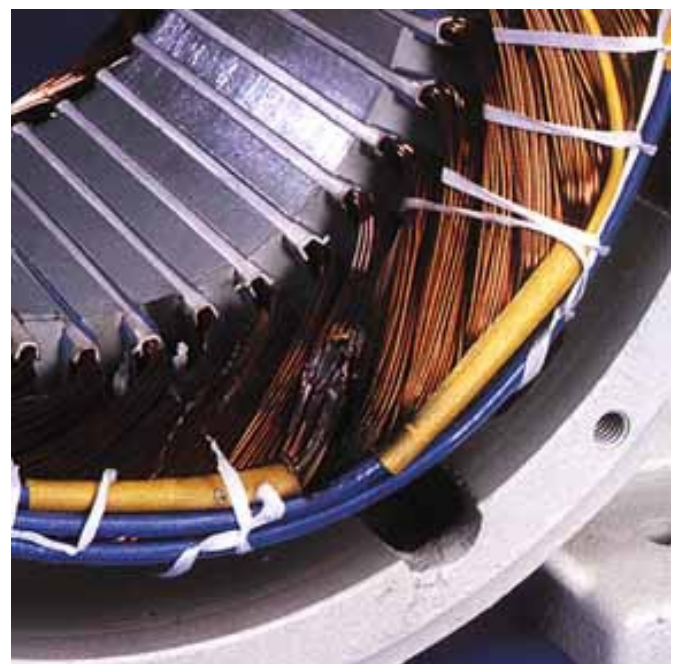
**#9 Too High Of An Unbalanced Voltage**



**#10 Damage Due To Overload**



**#11 Damage Caused By Locked Rotor**



**#12 Winding Damage Caused By Voltage Surge**