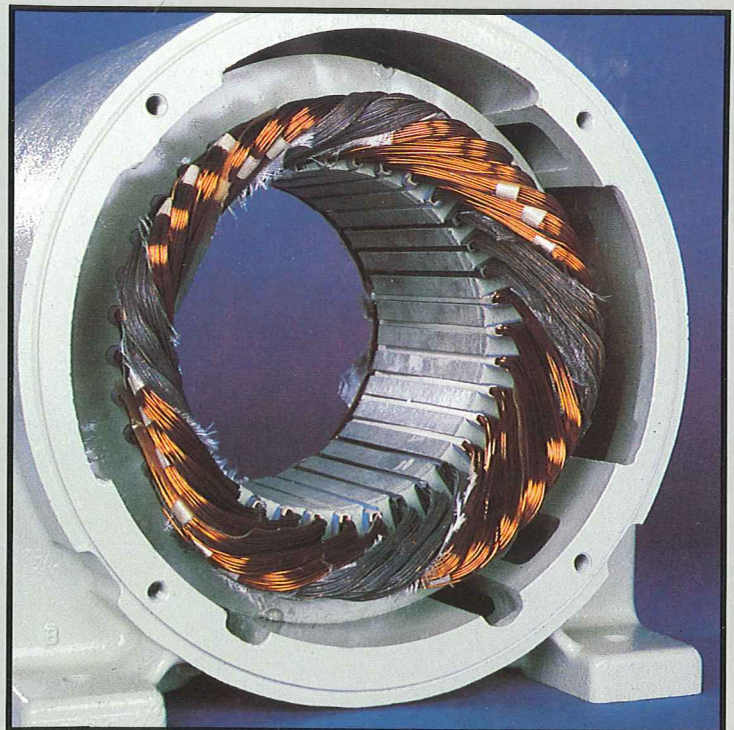


FAILURES IN THREE-PHASE STATOR



1 Winding Single-Phased
(Y - Connected)



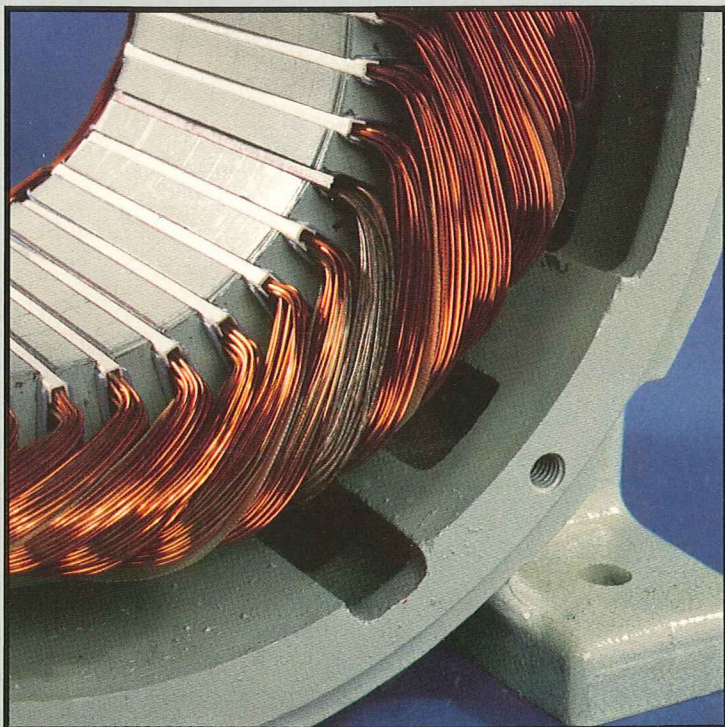
2 Winding Single-Phased
(Δ - Connected)



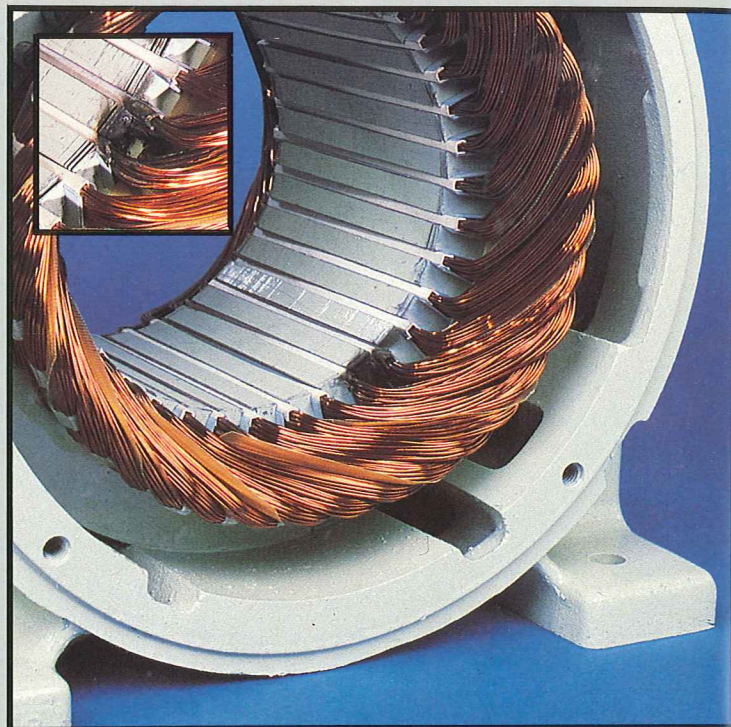
3 Winding Shorted
Phase-To-Phase



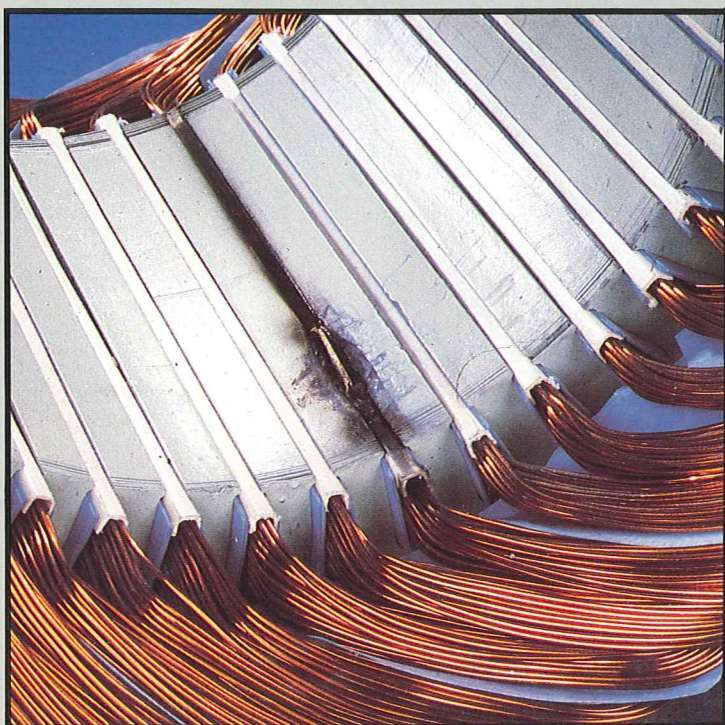
4 Winding Shorted
Turn-To-Turn



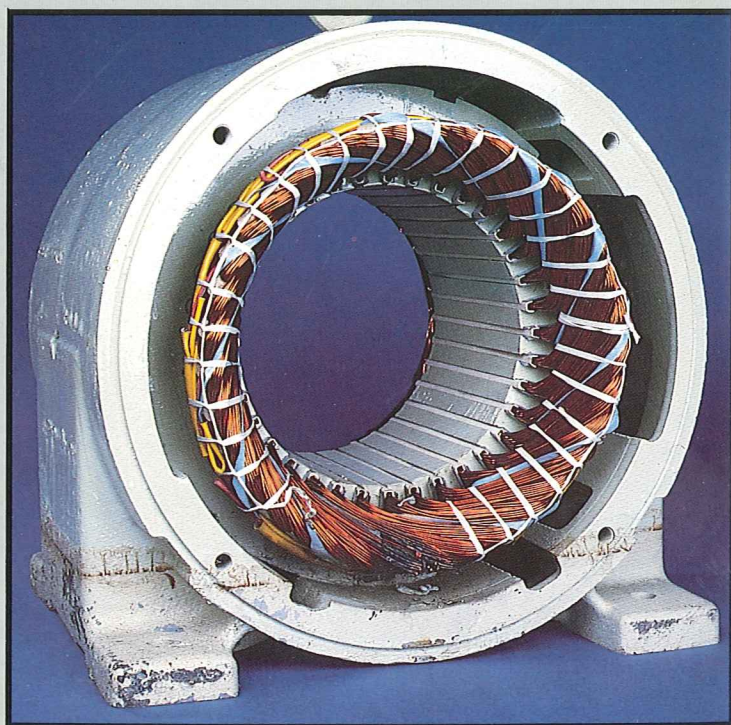
5 Winding with Shorted Coil



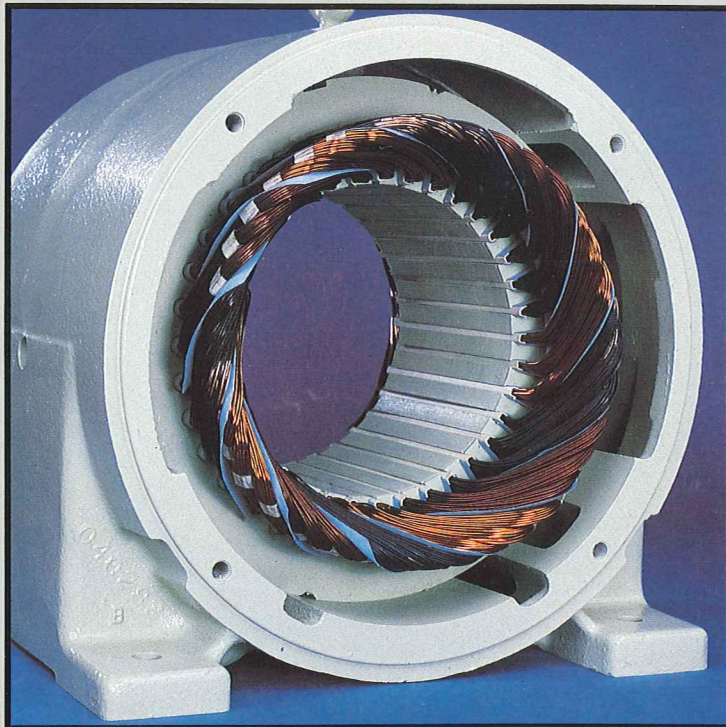
6 Winding Grounded at Edge of Slot



7 Winding Grounded in the Slot



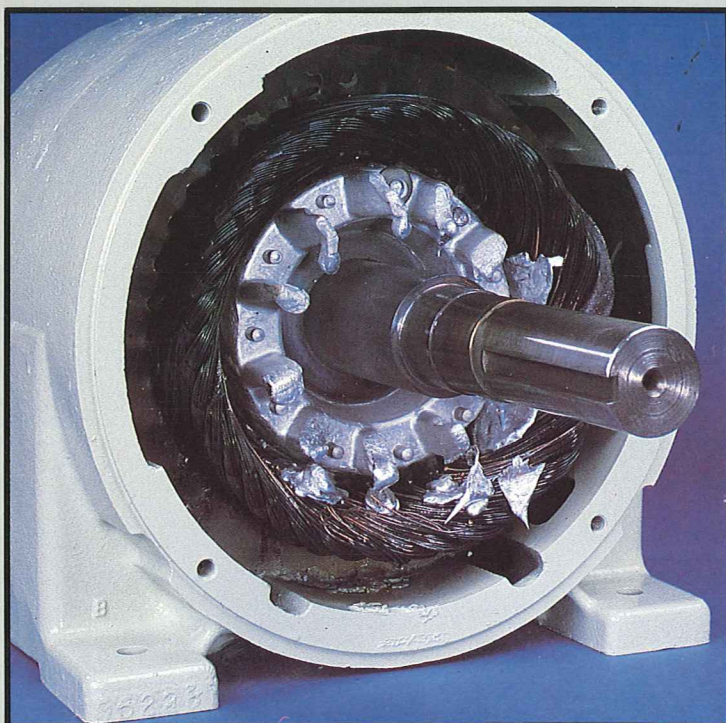
8 Shorted Connection



9 Phase Damage Due to Unbalanced Voltage



10 Winding Damaged Due to Overload



11 Damage Caused by Locked Rotor



12 Winding Damaged by Voltage Surge