Download Ac Locomotive Traction Motor

AC traction for locomotives is a major improvement over the old DC systems. The primary advantages of AC traction are adhesion levels up to 100% greater than DC and much higher reliability and reduced maintenance requirements of AC traction motors. The tractive effort of a locomotive (whether AC or DC) is defined by the equations:There are two types of Locomotive i.e. DE (Diesel Electric Locomotives) and AC locomotives. DE Loco: In DE loco power is generated by a traction alternator driven by Diesel Engine as prime mover. Power generated is fed to the traction motor through drive (IGBT in case of 3 phase TM, and throgh Rectifier in case of DC TM).DC traction motors do not cost as much and for high speed service, they work just fine. As AC costs go down, I would suspect we will see more AC traction motor locomotives. GE offered a AC 'A-1-A' trucked solution to BNSF last year for the same price as C-C trucked DC units.3phase induction ac Traction motor | of 4500hp wdp4 train diesel locomotive Please Subscribe the Channel for regular updates, https://www.youtube.com/channel... - Ac Locomotive Traction Motor