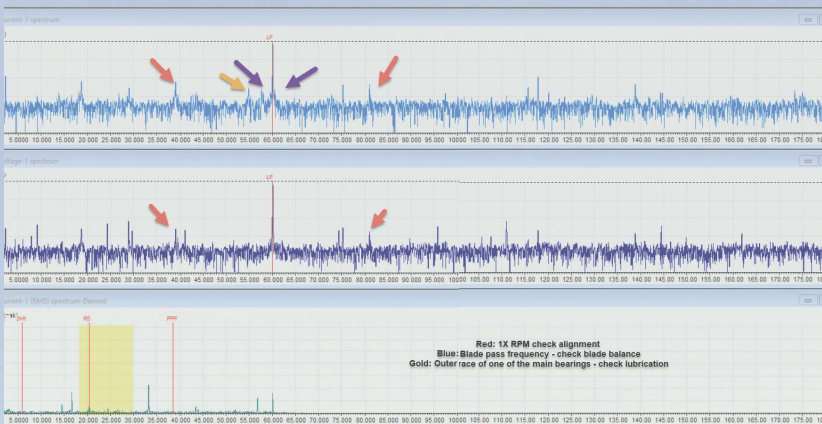


EMPATH Wind Turbine Wye Ring Fault Detection



The challenge: certain wind generator designs have a history of wye ring fracture then failure resulting in costs over \$120k USD in repair and additional costs in lost generating opportunity.

Early detection of the fault can either result in an up-tower correction for around \$10k USD or cost effective scheduling of corrective action or generator replacement.



In one 48 second test, the entire power-train including the main bearings, gearbox gears and bearings, coupling, generator rotor, generator stator and bearings, can be determined regardless of load with >90% proven accuracy.

Contact us for:
Technology including continuous monitoring
Training
Service including approved vendors
Data interpretation services

www.motordoc.com
www.empathcms.com
info@motordoc.com



Empath is the ONLY electrical machine analyzer capable of reviewing the entire powertrain and generator from the base of most towers.



Avoid this and catch generator defects early. We've successfully detected fractures a year or more in advance.