

# DO PARTICLES COUNT?

A wind turbine gearbox is a very complex piece of engineering which has both high and low speed sections. Conventional condition monitoring is perfect for high speed applications but is found wanting when low speeds are concerned.



This is the area where MetalSCAN from GasTOPS comes into its own, the slow speed planetary section. MetalSCAN is installed into the lubrication line and takes the full flow of lubricant, an alarm level is set according to the gearbox installed, then MetalSCAN continually monitors the debris both ferrous and non ferrous that is in the lubricant.

There are some major benefits from fitting MetalSCAN to your turbine: Longer notification of a possible problem, allowing you to schedule the repair rather than just shutting the turbine down. Catching the problems within the planetary section before a major catastrophe occurs, thus significantly reducing the cost of repair.

MetalSCAN does what other conventional monitoring cannot, at a fraction of the cost: It gives your turbine "extra sensory protection".